



Zois V. Avgerinos

Engineering Manager - Staff Engineer - Architect

contact

7th Grivas St.
Glyfada, Athens
GR-16561, Greece

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@zois@tuta.io



Education

Master of Science in
Engineering (MSE)
Information Systems

Master of Science in
Engineering (MSE)
Electronics & Telecommunications

Bachelor of Science (BSc)
Physics Science

Top Skills

Strong leadership and management
skills

Deep understanding of blockchain
technology

Strong software engineering skills

Mobile engineering expertise

Excellent communication skills

Problem-solving skills

Experience with agile development
methodologies

Strong understanding of security
and cryptography

Experience with cloud computing
and distributed systems

Ability to stay up-to-date with
emerging technologies

Project management skills

Experience with open-source
development

about me

As a software engineering manager with over **16 years of experience** in the industry, I have a proven track record of leading and managing successful software development teams.

My technical expertise in **software development and engineering**, combined with my experience with agile development methodologies and a strong understanding of software development best practices and **industry standards**, make me an ideal candidate for any organization looking for a **leader** to drive software development projects to successful completion.

I possess excellent communication and leadership skills, and I am able to **effectively prioritize and manage multiple projects**, ensuring that they are completed on time and within budget. I am also a **strong problem-solver** and have a **keen analytical mind**, which allows me to quickly identify and resolve any issues that may arise during the development process. I am confident that my skills and experience make me the ideal candidate to lead your software development team to success.

experience

FEB2023 - Today  **BINANCE**
Engineering Manager | Architect

Grand Cayman, Cayman Islands

I am incredibly proud of the Trust Wallet team at Binance for successfully deploying new web3 features such as account abstraction and blockchain bridging. Our team's combination of technical expertise and project management skills allowed us to develop and implement these features with a focus on **scalability, security, and usability**.

Through effective **communication** with stakeholders, **agile** development methodologies, and a commitment to staying up-to-date with **emerging technologies**, we were able to deliver high-quality products that meet the evolving needs of our users in the rapidly-changing world of **web3**.

These achievements demonstrate our team's dedication to pushing the boundaries of blockchain technology and delivering innovative solutions for our users.

- Lead the Trust Wallet mobile engineering team, ensuring **high-quality delivery of features**, bug fixes, and other initiatives in a timely and efficient manner.
- Develop and maintain an **effective team culture**, promoting open communication, collaboration, and teamwork among the mobile engineering team.
- Build and maintain strong relationships with other teams within Binance, particularly those with whom the mobile engineering team works closely, such as product, design, and backend engineering teams.
- Establish clear expectations, goals, and objectives for the mobile engineering team, and hold team members accountable for delivering on these commitments.
- Continuously evaluate and improve the mobile engineering team's development processes and practices, using **industry best practices** and emerging technologies as appropriate.
- Ensure that the mobile engineering team's work aligns with Binance's broader strategic objectives and that the team is delivering maximum value to the organization.
- Collaborate with other engineering managers and senior leaders within Binance to identify areas of opportunity for **cross-team collaboration** and knowledge sharing.
- Foster a culture of continuous learning and development within the mobile engineering team, providing opportunities for team members to acquire new skills, attend conferences, and engage in other professional development activities.
- Actively participate in recruiting and hiring efforts for the mobile engineering team, ensuring that the team has the talent and expertise necessary to execute on its mandate.
- Serve as a thought leader and advocate for mobile engineering within Binance, representing the team in key meetings and discussions and communicating its successes and challenges to senior leadership.

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NFTs

Opensea

Zois Avgerinos

FEB2021 - FEB2023  **BLOCKFI**

Engineering Manager | Staff Software Engineer - Architect

New York, USA

As an engineering manager and staff engineer at BlockFi, I am incredibly proud of the work we've done to deliver crypto-backed loans, native mobile apps and other cutting-edge web3 features. Our team's deep technical expertise in blockchain technology and mobile engineering allowed us to develop these products with a focus on **security, usability, and innovation**.

Through agile development methodologies and a commitment to staying up-to-date with emerging technologies, we were able to deliver high-quality products that meet the needs of our users in the rapidly-changing world of web3.

- Successfully **leading the development** of a globally distributed team of over 30 engineers across AMER, EMEA, and APAC, providing daily **mentorship, guidance, and oversight** to ensure project success.
- Expertly evaluating, identifying, and **designing software solutions** utilizing **modern design patterns and architectural styles** to deliver robust and efficient software.
- Implemented processes throughout the software development lifecycle to ensure **software quality** and adherence to ISO 25000 standards for software and data quality.
- Created detailed **technical documentation** and an Architecture Document to fully document and showcase the software.
- Actively participated in the planning, tracking, and scheduling of software deliverables, including services and mobile apps for AppStore and GooglePlay.
- Proactively monitored production applications for issues and quickly located and directed solutions to **resolve critical challenges** and implement new functionalities.
- Built and maintained **strong working relationships** with all team members and dedicated time for **mentoring and career guidance** for individual team members.
- **Adept** at working with full agile processes, including Scrum and Kanban, to effectively manage project deliverables and timelines.

NOV2018 - FEB2021  **ADVANTAGE FSE** (fiserv. business partner)

Tech Lead - Senior Software Engineer

Athens, Greece

As a tech lead at Advantage FSE, I am incredibly proud of the work we've done to deliver banking mobile apps in banks all around the globe and other cutting-edge fintech products. Our team's deep technical expertise in mobile engineering and financial technology allowed us to develop these products with a focus on **security, scalability, and user experience**. Through agile development methodologies and a commitment to staying up-to-date with emerging technologies, we were able to deliver high-quality products that meet the needs of our clients in the rapidly-changing world of fintech.

The successful delivery of these products demonstrates our team's dedication to pushing the boundaries of what's possible in the financial industry and delivering industry-leading solutions for our clients.

- Successfully **led the development of high-end solutions** in the Finance sector, utilizing **state-of-the-art technology** and innovative business principles to deliver cutting-edge solutions.
- Expertise in Agile software development, utilizing **modern development methodologies** to deliver high-quality applications.
- Proven experience in **solution architecture and software analysis** for digital banking systems, with a strong understanding of the unique challenges and requirements of this industry.
- Demonstrated proficiency in using both Objective-C and Swift 5 in complex projects, effectively utilizing the strengths of both languages to deliver efficient and reliable code.
- Implemented and managed CI/CD pipeline using Jenkins and automated UI testing to ensure software quality and timely delivery.
- Acted as a technical lead providing **guidance and mentoring** to the team on best practices and development methodologies.

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Project management skills

Experience with open-source development

MAR2015 - NOV2018 **FUTURA DEFENCE LTD**

Tech Lead - Senior Software Engineer & Software Simulation Modeller

Guildford, UK

- **Team leading** of a highly distributed team (London, Athens, Perth and Canberra).
- Application and **deterministic model development** to support higher military management in decision making for campaigns and tactical workforce management.
- Agile software development using **.NET stack** for projects in the defence sector (UK Navy, Royal Australian Navy).
 - **WPF** desktop solutions and **SaaS** architecture using **Azure** cloud development.
 - Functional analysis and solution architecture.
 - Data analysis, data visualization (**Tableau**) and software modelling (Powersim Studio 9/10).
- **CI / CD TeamCity** and **Automated UI** testing.

NOV2012 - MAR2015 **OPENBET TECHNOLOGIES LTD**

Senior Software Engineer

Chiswick, UK

- Agile software development for all major companies in betting (William Hill, Coral, Ladbrokes, Paddypower, Betfair, PMU).
- Software and **business analysis** for the betting industry.
- Fullstack development.
 - Frontend development using all mainstream web technologies (**Javascript, AJAX, JQuery, HTML/CSS**).
 - Application server development (backend) using **TCL** and **Informix database**.

JUN2010 - NOV2012 **MUNICIPALITY OF MEGANISI**

IT Administrator - Software Engineer

Lefkas, Greece

- Windows **System Administration**.
 - Windows 2000/XP/7, Windows Server 2000/2008.
 - Software and Hardware administration, maintenance and security.
 - **Oracle 9i Database** - Installation, administration.
- **LAN Administration** - Network maintenance, monitoring and security (including hardware).
- Web Developer, Administration and Design - **DotNetNuke portal, Javascript, JQuery, Photoshop**.

DEC2007 - JUN2010 **NOKIA SOLUTIONS AND NETWORKS**

Software Engineer

Athens, Greece

- **ISUP & SIP** telecom protocols - Customer specific adaptations on telecom features.
- Code analysis, design, maintenance - **Assembly/C++**, source & patch coding, simulation (Windows and Linux Platforms).
- Code testing - Unit, Integration & Regression. **Real time simulation**. Test Cases (Mercury Test Director), Test Automation.
- Waterfall and Agile (SCRUM) methodology.

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NFTs

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mobile engineering

2012 - Today **iOS and Android**

Application development and release management for mobile platforms

Focus on **Quality Attributes** (non-functional requirements)

- **Accessibility, Availability, Maintainability, Scalability, Testability, Reliability, Resilience**
 - SOLID Principles, Design Patterns
- **Security**
 - MobSF Framework, SOC 2 Compliance
 - Fraud Management e.g. Accertify, Sardine
- **Observability**
 - Sentry, Datadog, Amplitude
- **Modularisation**, Composable Content Platform, CMS
 - Contentful

AppStore and GooglePlay delivery

native iOS

- XCode 14, iOS 16, XCode Cloud
 - **SwiftUI**, Autolayout, Core Data, In-App (StoreKit), Multipeer Connectivity, Core Location, MapKit, MessageUI, ARKit, **App Clips**, App Shortcuts
 - Pods, **Swift Packages**, Carthage
- Swift 5+, Objective-C
 - **Async Await**, **Combine**

native Android

- Android Studio, Visual Studio Code, Java

multiplatform

- **Xamarin.Forms**
 - **XAML**, Markup Extensions, Behaviors, Triggers, **Custom Renderers**, Platform Specifics
 - Xamarin.iOS and Xamarin.Droid
- **Flutter** - Dart, MobX
- **React** - React Native, Redux
- **Ionic Framework**, using Angular JS and Typescript

blockchain

2018 - Today **Publicae.org | NWO \$STATE**

Co-founder & CTO

Ethereum, Solana | Blockchain Specialization

Smart contract development & deployment

- **web3**, Solidity, **Truffle** Suite (Truffle, Boxes, Ganache, Mocha), Remix
- **Rust**, Cargo

Blockchain Platforms

- **Hyperledger Fabric**, **IPFS**, Decentralized Finance **DeFi**

Cryptocurrency development

- **ERC-20**, **ERC-1155**
- Tokens created: PBLC, STATE
- STATE Staking Dapp (ReactJS, GraphQL, Ethereum)

NFT development

- OpenSea Collections
- **ERC-721**
- NFT created: PBLCNFT
- NFT Staking Dapp (ReactJS, GraphQL, Ethereum)

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Project management skills

Experience with open-source
development

specializations & publications

Software Design & Architecture ⬇

Blockchain Specialization ⬇

Period doubling, Feigenbaum constant and time series prediction in an experimental chaotic RLD circuit ⬇

M.P. Haniyas, Z. Avgerinos, G.S. Tombras
Chaos, Solitons & Fractals, 2007

education

oct2010 - MAY2014 **Master of Science in Engineering (MSE) - Information Systems** ⬇

Hellenic Open University - School of Science and Technology

thesis: "Application Development for Competitive Games in Mobile Handsets - iOS Platform"

This thesis is about the development of a game application for the Apple iOS operating system, featuring development of Artificial Intelligence concept through Reinforcement Learning and Artificial Neural Networks as well as wireless connectivity via WiFi/Bluetooth for multiple devices. ⬇

oct2004 - oct2006 **Master of Science in Engineering (MSE) - Electronics & Telecommunications** ⬇

University of Athens - Faculty of Physics, Faculty of Informatics and Telecommunications

thesis: "Chaos study in RLD circuit"

This thesis is about the study of chaotic behaviour in a RLD circuit that may lead to a cryptographic secure data connection. ⬇

SEP1999 - SEP2004 **Bachelor of Science (BSc) - Physics Science** ⬇

University of Athens - Faculty of Physics

thesis: "Digitally Controlled Current Sources"

This thesis is about programming ATMEL microcontroller in C language using AVR Studio. It involved programming of RS232 interface, SPI interface and Maxim's Digital to Analog Converter. The project involved design of the Schematic and PCB via CAD program (PSPICE, ExpressPCB) as well as hardware implementation and testing. ⬇

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technical skills

programming

LANGUAGES

C# 7, C++, C, Objective-C, Swift 5, Rust, Go, Elixir, JAVA, Javascript, Typescript, Solidity, Dart, CSS3, HTML5, TCL, PHP, Python, XML, Gherkin, Assembly, LaTeX

.NET

LINQ, WPF, ASP.NET

- **IDE:** Visual Studio 2017+, VS for Mac, VS Code
- **ORM:** nHibernate, Entity Framework
- **IoC:** StructureMap, Autofac
- **MVVM:** CaliburnMicro, Prism

WEB

AngularJS, jQuery, AJAX, Bootstrap 3/4, Razor, ASP.NET MVC 5, ASP.NET Core 2, Node.JS, Laravel, WordPress

MOBILE

native iOS / Android, React Native, Xamarin, Flutter, Ionic

DATABASES

SQL Server, IBM Informix, MySQL, MongoDB, Redis

SCRIPTING

TCL, Bash, PowerShell, nant

TESTING

XCTest, Mocha, Specflow, White, XUnit, NUnit, Fixie

architecture

Design

DDD, CQRS, TDD, BDD (Cucumber, Gherkin), SoA, Microservices, Cloud (IaaS, PaaS, SaaS)

Eventing, Event Streaming

RabbitMQ, Apache Kafka

API

REST, GraphQL (Apollo Server, AWS AppSync), WebSocket

Network

TCP/IP, SS7, SIP, NGN, SSH

OS

Linux, Windows, MacOS, iOS, Android

devops

Continuous Integration / CD

TeamCity, Jenkins, XCode Cloud, AppCenter, nant

Cloud Architecture & Deployment

Microsoft Azure (ARM, Portal, Powershell), Amazon AWS, Google GCP, Oracle Cloud, Firebase

Observability

Grafana, Prometheus, Datadog, Sentry

Containers

Docker, Kubernetes

Source Control

Git, SVN, CVS, ClearCase

Project Tracking

JIRA, Confluence, Trello, ClearQuest

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Project management skills

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development

simulation, data analysis

Software

Powersim Studio 9/10, Tableau (Desktop & Server)

Hardware

Multisim, PSpice, LabView, PCB design

data science

Machine Learning

Reinforcement Learning, Artificial Intelligence (AI)

IoT

ESP32

Arduino, MQTT, Camera surveillance , GPS tracking

interests

professional: iOS development, software engineering & architecture, blockchain, ethereum, solana, machine learning, AI, data and risk analysis

personal: cosmology, poetry, target shooting, football, basketball, chess, snooker, pool, IoT, Drones (DIY)