

Head of Engineering | Lead | Blockchain |
Fullstack Software Engineer | DevOps

Dynamic and accomplished Head of Engineering and Technical Architect with a proven track record of success in leading and mentoring cross-functional teams of Full stack developers and DevOps experts. Experienced in overseeing third-party agencies, ensuring seamless collaboration among 7 DevOps professionals and 3 developers. Demonstrated leadership in designing and developing robust infrastructure using cutting-edge technologies such as Terraform, Helm, Kubernetes, and Azure. Expertise in frontend development, directing teams utilising React, WebSocket, and PixiJS. Proficient in managing backend systems, specialising in MongoDB (multilocation shards databases), PostgreSQL, and Node.js.

Key Highlights

- Known for strategic decision-making and driving innovative solutions in the realms of technology and engineering.
- Distinguished Blockchain developer with a passion for pioneering AI development using spaCy and Python. Proven ability to integrate third-party APIs through Azure Functions.
- Over 15 years of extensive experience in web and mobile development, specialising in architecting and constructing technical blueprints. Proven capacity to bring expertise in artificial intelligence, with extensive work in Python and SpaCy.
- Drove offchain smart contract & SDK development at Quant Network, showcasing proficiency in JavaScript, Java, and Python. Integrated mainly Ethereum, Bitcoin and Ripple. Contributed to the creation of cutting-edge solutions, highlighting a keen understanding of software development across multiple languages.
- Engineered the Coinwatch JavaScript Electron app, ensuring its continued functionality despite limited updates and testing. Personally utilizing the app for tracking preferred cryptocurrencies via the menu bar, demonstrating a commitment to practical and user-centric solutions.

Technical Proficiencies

Platforms:	Linux, AWS, Azure, GCP, github actions
Web Development	Node.JS, JavaScript, TypeScript, Solidity, MySQL, RabbitMQ, Restful API, ReactJS, SocketIO, Serverless, MongoDB, Python, Rust
DevOps	Kubernetes, Docker, AWS Cloudformation, Jenkins, API Gateway / Lambda, Terraform, Microservice architecture, PCI compliance

Career Experience

Structureflow LTD, UK
Head of Engineering (**HANDS ON**)

2023 – 2024

Supervise an in-house team of 8 Fullstack developers and DevOps experts, whilst overseeing 7 DevOps professionals and 3 developers from third-party agencies. Design and develop infrastructure using Terraform, Helm, Kubernetes, and Azure. Manage backend systems, specialising in MongoDB (multilocation shards databases), PostgreSQL, and Node.js.

- Secured £4.5 million in funding and achieved ISO27001 certification.

- Led frontend development with a focus on React, WebSocket, and PIXIJS.
- Directed AI development using spaCy and Python, and facilitated integration of third-party APIs through Azure Functions.

Structureflow LTD, UK

2019 – 2023

Lead full-stack developer / Architect

Design and develop infrastructure using Terraform, Helm, Kubernetes, and Azure. Manage backend systems, PostgreSQL, and Node.js.

- Led frontend development with a focus on React, WebSocket, and PIXIJS.
- Developed the whole backend using nodejs/expressjs
- Implementation of the CICD with circleCI/github actions + blue-green deployment

Quant Network, London

2018-2019

Blockchain developer

Applied NodeJS and React + Redux expertise to enrich the platform's capabilities, focusing on the development of Dapps and Web3 integration. Contributed to intricate technical architecture, employing Kubernetes for efficient deployment. Advocated for a microservices architecture and played a pivotal role in Ruby on Rails development for comprehensive system integration.

- Led creation of an interoperability platform seamlessly connecting diverse blockchains, including Ethereum, Bitcoin, EOS, IOTA, Ripple, Quorum, ETH Pantheon, Corda, and Hyperledger.
- Showcased adeptness in Java development, implemented sophisticated blue-green deployment strategies, and established robust CI/CD pipelines using Jenkins.

Appliedblockchain, London

2018

Blockchain developer / Technical architect JS

Crafted decentralised applications (Dapps) and skilled in NodeJS development. Achieved proficiency as a React + Redux developer, showcasing a keen understanding of technical architecture. Implemented Kubernetes for seamless deployment, orchestrated Docker stacks for efficient containerisation, and executed sophisticated blue-green deployment strategies. Established robust CI/CD pipelines using CircleCI for streamlined development workflows.

- Played integral role as a blockchain developer, demonstrating mastery in Solidity for smart contract development and deployment via Web3.

Decred, London

2017-2018

Senior blockchain Developer

Played a pivotal role at Decred by constructing the entire test pipeline and spearheading the frontend development (using React) for their governance system. Proficiently utilized JavaScript, Jest, and on-chain storage technologies to ensure robust and reliable performance.

- Executed blue-green deployment via circleCI within performances, lint and tests (unit/e2e) pipelines.
- Governance DAO creation and deployment.

Atchy, London

2016-2017

Founder & CTO

Developed a NodeJS/React-Redux application, ensuring PCI Compliance with a fully integrated Vault for AES encryption. Established AWS API Gateway for seamless communication and implemented Swagger documentation for clear project understanding. Employed Webpack optimisation techniques to enhance application performance.

- Executed blue-green deployment via LambdaCI on AWS, leveraging serverless processors such as AWS Lambda.

Babylon health, London

2016

Senior Full stack developer / Technical architect

Pioneered Symfony2 development, initiating a Microservice architecture. Implemented Kong API manager, Chef, Mesos, and leveraged AWS for scalable infrastructure.

- Utilised NodeJS for server-side operations, whilst employing AngularJS and React Redux for dynamic and responsive user interfaces.

Sportarian, London

2015

Lead developer

Spearheaded Symfony2 backend development for marketplace platform, implementing full REST API. Integrated advanced technologies including ElasticSearch, RabbitMQ, MongoDB, and NodeJS microservices to enhance platform functionality.

- Specialised in functional testing using Behat, and unit testing with PHPUnit and Phake.
- Applied Scrum methodology for project management and established a full Continuous Integration process.
- Contributed to Angular frontend development, leveraging Sass and gulp for efficient and responsive user interfaces.

Education

Bachelor degree 2012

Rise, Paris la defense

Sandwich courses - Developer Engineering | Rise Paris LA Défense - France