

Mustofa Ghaleb Amami

Tech Lead Fullstack & Software Engineering Instructor

amammustofa@gmail.com | +60 10-844 4970 | Kuala Lumpur, Malaysia
linkedin.com/in/mustofa-ghaleb-amami | github.com/cakasuma

PROFILE

Full-stack engineering leader with 8+ years building and scaling web and mobile products in regulated fintech, from trading platforms at Deriv to consumer payments at MoneyLion, serving millions of users worldwide. I lead a team of 6 engineers including 2 tech leads, built Deriv's mobile app from scratch to 500K+ installs and 50K daily active users, and shipped the DWallet programme to production as TradersHub. My work sits where engineering meets trust: OAuth2 and passkeys, KYC and identity verification, disaster recovery, and the automation that catches problems before customers do. I also teach, having coached 250+ students into their first engineering roles.

500K+

App installs, built from zero

50K

Daily active users

7

Applications migrated to OAuth2
/ OpenID Connect

250+

Engineers coached at RevoU

WORK EXPERIENCE

Tech Team Lead - Web Platform Fullstack

July 2024 - Present

Deriv

- Lead a team of 6 engineers including 2 tech leads, and own SLOs and SLIs for client-facing trading applications.
- Built and launched Deriv's mobile app from scratch, taking it from zero to 500K+ installs and 50K daily active users.
- Completed and released the DWallet programme to production as TradersHub, finishing work I had previously led on the frontend.
- Built the authentication platform end to end: OAuth2 with public clients (OpenID Connect) rolled out across 7 applications, plus passkeys, MFA (TOTP), trusted-device flows, and mobile app integrity verification.
- Built CI automation across the software delivery lifecycle, carrying work from requirement through to opened pull request.
- Built automated monitoring and alerting over user data that surfaces skew and anomalies to the business before they reach customers.
- Architected and led the disaster recovery solution for Deriv applications, running the design sessions and driving implementation across teams.
- Led development of an AI-assisted KYC solution for proof of identity and proof of address, cutting manual review from the onboarding path.

Mobile Team Lead

October 2022 - September 2023

MoneyLion

- Promoted to lead mobile engineering after a year on the team.
- Drove organisation-wide initiatives to strengthen the design system and monitoring infrastructure.
- Maintained 99.9%+ availability across mobile payment features serving millions of users.
- Owned iOS and Android release and deployment pipelines end to end.

Senior Mobile Engineer

October 2021 - October 2022

MoneyLion

- Built, shipped, and documented mobile payment features using React Native, Redux, and Redux Saga.
- Partnered closely with product managers, backend engineers, and QA to keep payment flows reliable at scale.

Lead Frontend Developer

September 2020 - October 2021

Deriv (formerly Binary.com)

- Led a team of 6 engineers delivering DWallet features and maintaining Deriv.com and Deriv.app.
- Set frontend architecture and review practice across the trading platform, mentoring engineers into greater ownership.

Senior Frontend Developer

July 2018 - September 2020

Deriv (formerly Binary.com)

- Built Deriv, a new financial trading platform, using React with MobX.
- Integrated the Onfido identity verification API across Binary.com and Deriv.com.
- Developed the Deriv.com product landing page with Gatsby, and integrated the platform with marketing and analytics tooling.

Software Engineering Lecturer

August 2023 - December 2023

RevoU

- Lectured and coached 250+ students across cities in Indonesia into their first software engineering roles.
- Taught industry practice in frontend and backend development, grounded in real production experience.

EDUCATION

BSc in Information Technology (Information Security Systems)

2015 - 2018

Asia Pacific University of Technology & Innovation (APU)

CGPA 3.48. A security specialisation that still shapes how I approach authentication, identity, and trust in fintech.

TECHNICAL SKILLS

Frontend	React • Next.js • TypeScript • JavaScript • Tailwind CSS • Styled Components • SCSS • Gatsby
Mobile	React Native • Redux • Redux Saga • MobX • iOS & Android release pipelines
Backend & Data	Node.js • Express • REST APIs • GraphQL • MongoDB • PostgreSQL • Docker • NGINX
Cloud & Platform	AWS • Cloudflare • GitHub Actions CI/CD • OutSystems • Vercel
Engineering Practice	OAuth2 / OpenID Connect • Passkeys & WebAuthn • MFA (TOTP) • Trusted device & app integrity • KYC & identity verification • Design systems • SLO / SLI & observability • Disaster recovery • Internationalisation (i18n) • Testing (Jest, Mocha) • Architecture & code review
Leadership	Team leadership • Mentoring & coaching • Cross-functional delivery • Technical instruction • Stakeholder management

CERTIFICATIONS & ACHIEVEMENTS

Javascript (Intermediate)

Team HackerRank • 2021

DEV401 Salesforce Platform App Builder

Salesforce • 2017

Microsoft Azure Fundamentals

Microsoft • 2017

VENTURES, WRITING & COMMUNITY

Co-founder of Qlassku, an IT services and consulting venture built alongside my full-time engineering work. I also write about the craft on DEV Community, including a MobX 6 and React hooks guide that remains the reference I get asked about most, and keep a public body of work on GitHub, from Islamic inheritance and Hijri calendar tools to a Malaysian take-home pay calculator.