

FAROUK FAIZ

Senior Software Engineer · Backend Systems, AWS, Agentic AI

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Senior engineer with a track record of owning high-complexity technical problems across distributed systems, cloud infrastructure, and agentic AI. Built and shipped systems at AWS and Uber scale, from 25x performance improvements to AI agents in production for mainframe modernization. Work best on ambiguous, high-stakes problems with direct stakeholder ownership.

EXPERIENCE

Qasten - Software Engineer - Freelance

Dec 2025 – Present

- Taking on contracts across backend systems, AWS infrastructure, and agentic AI.
- 2nd place, Raise Your Hack 2025 (largest AI hackathon in Europe).

Amazon (AWS) (Paris) - Software engineer

Sep 2022 - Dec 2025 (3+ years)

- Agentic AI: Architected and led end-to-end implementation of agentic AI systems for large-scale Mainframe modernization (COBOL → Java), integrating LLMs with internal tooling, HITL controls, and secure execution pipelines.
- CI/CD: Designed and owned an automated CI/CD pipelines infrastructure on AWS, adopted by 50+ engineers across multiple teams and executed 10,000+ times.
- Performance & Scalability: Reduced dependency graph loading time for 1M+ nodes from 40 minutes to 1.5 minutes (25x), optimized large-graph operations from 2 hours to 2 minutes (60x), and reduced download storage usage by 70x.
- Migration: Co-led a 5-month Java 8 → 17 and Spring Boot 2 → 3 migration across a large codebase, coordinating with 50+ impacted engineers.
- Appointed Security Guardian for the org - owned the security review process across the org, proactively initiated reviews, and participated in the majority of org-wide security assessments.

360Learning (Paris) - Software engineer

Mar 2022 - Sep 2022 (6 months)

- Shipped an integration monitoring dashboard end-to-end; managed 30+ client integration activations.

Uber (Amsterdam) - Software engineer

Mar 2021 - Aug 2021 (6 months)

- Built a failover monitoring service and led 3 failover drills; diagnosed DNS propagation issues across dependent teams, reducing failover time from 15 minutes to 2 minutes.
- Unblocked a Golang SDK migration affecting multiple teams by identifying and fixing a metrics instrumentation bug; led the migration end-to-end.
- Added support for Uber's custom authentication solution in our service to comply with PSD2 directives.

Earlier work: JetSoft (2020–2021), Klee Group (2020), Xelya (2019)

- Full-stack and data visualization engineering roles.

SKILLS

Languages	TypeScript/JavaScript/Node.js, Java, Python, Golang
Cloud & Infra	AWS, CDK, Docker, Linux
Domains	Distributed systems, performance engineering, CI/CD, agentic AI

EDUCATION

Eurecom (Data Science and Engineering track)

Sep 2019 - Sep 2022

IMT Atlantique (Engineering degree in computer science)

Sep 2018 - Sep 2022