

MAHIN K. HAMZAOGHLU

Senior Software Engineer · Payments & Fintech

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SUMMARY

Senior software engineer with 6+ years building payments and fintech systems in Go and Python. Focused on merchant-facing payment capabilities such as split payments, combo-card processing, and reconciliation analytics, with an emphasis on clean data models, correctness, and owning projects from design to production. Also builds and ships independent side products end to end.

EXPERIENCE

Senior Software Engineer I, Checkout.com / ProcessOut Dec 2024 - Present

Built and shipped new merchant-facing payment capabilities, including Split Payments and combo-card processing, owning each from design through production. Designed a reconciliation analytics dashboard backed by ClickHouse, giving merchants and internal teams faster, more accurate visibility into payment flows, and defined the data models behind reporting and reconciliation so they stay accurate as transaction volume scales.

Backend Engineer, GetGround Jan 2024 - Nov 2024

Re-architected the subscription and account-management services in Go, replacing brittle legacy flows with a cleaner, more maintainable design, and partnered with product to ship new account features on top of it, improving how the services held up under growth.

Software Engineer, Beamery Nov 2022 - Dec 2023

Built integration tooling in Go and NodeJS (NestJS) connecting Beamery to external HR / ATS systems to speed up talent-acquisition workflows, and provisioned the supporting infrastructure on GCP with Terraform and Kubernetes, adding monitoring and automation that reduced downtime.

Backend Engineer, AppSamurai Jun 2021 - Nov 2022

Built high-throughput APIs in Go / MongoDB serving millions of requests per day, plus REST services in Python (Falcon), across data stores on AWS: ClickHouse, Redis, and MySQL.

Backend Engineer, tarla.io May 2019 - Jun 2021

Built and scaled the PostgreSQL-backed backend for an agricultural monitoring platform used by 3,000+ farmers, handling real-time data streams.

SELECTED PROJECT

Contemporary Issues in Design, cid-journal.com Freelance

Designed and shipped a production, bilingual (EN / AZ) peer-reviewed journal platform for an Azerbaijani university, delivered end to end as sole engineer and now live and publishing issues. Modelled the volume / issue / article hierarchy in Neon Postgres and built the editorial and archive workflows with transactional email (Resend), deployed on Vercel behind Cloudflare. (TypeScript / Node.js)

EDUCATION

MSc Software Engineering · City, University of London · Distinction (2022)

BSc Computer Engineering · Bilkent University, Ankara (2019)

SKILLS

Languages: Go, Python, TypeScript / Node.js

Data: PostgreSQL, ClickHouse, MongoDB, Redis, MySQL, DynamoDB

Cloud & Infra: GCP, AWS, Kubernetes, Docker, Terraform, CI/CD

Observability: Grafana, Datadog, Kibana, Elasticsearch

Spoken: Azerbaijani (native); English, Russian, Turkish (fluent); French (intermediate)