KUNHEE HA

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SUMMARY

Backend Engineer currently working in fintech, specialising in building microservices for open banking integrations in Go. Recently spearheaded the end-to-end design and deployment of an open banking data integration project, while ensuring system reliability and adhering to regulatory compliance. Previously worked on automation of legal processes in conveyancing. Committed to continuous learning, as demonstrated by pursuing postgraduate modules in Computer Science and AI alongside full-time employment, applying insights from its undertaking to real-world challenges.

EXPERIENCE

Backend Engineer

Bloom ⬀   📅 09/2023 – Present

a fintech company that provides a digitised ROSCA as a service.

- Spearheaded the design, development, and deployment of an open banking data integration project, ensuring high system reliability and full regulatory compliance.
- Implemented robust encryption mechanisms for storing customers' open banking data, including a dedicated service to manage key rotations for enhanced security.
- Built a customer address lookup service to migrate away from a third-party provider, improving performance.
- Collaborated with the front-end developer to ensure a seamless customer authentication flow, enabling users to connect their bank accounts securely to the open banking service.

Junior Developer

Juno ⬀   📅 10/2021 – 12/2022

a law firm that uses an in-house proprietary case management system to automate aspects of conveyancing.

- Developed and implemented automation solutions to repetitive legal processes in the domain of conveyancing, increasing operational efficiency and mitigating human errors, reducing conveyancing time by eight weeks compared to national average. ⬀
- Built internal tool to parse and analyse legal documents, specifically requisition letters from HM Land Registry, designed and implemented the database schema and data hydration process to store extracted data.
- Successfully integrated bespoke workflows for two new company clients and a mortgage lender, helping establish key partnerships and expanding the platform's capabilities.
- Collaborated with the legal team to understand domain-specific requirements and deliver tailored solutions.

SKILLS

Languages

Go   Python   Java   Javascript   Bash

SQL

Databases/Cache

CockroachDB   PostgreSQL   Redis

SQLite

DevOps/Deployment

Docker   Kubernetes

AWS (EC2, ECR, ECS, EKS)   NGINX   Gunicorn

Frameworks/Libraries

GORM   Flask   Django   Alembic

SQLAlchemy

Markup/Stylesheet

LaTeX   Markdown   HTML   CSS

EDUCATION

PGCert Computer Science and AI

University of York   Awarded 2023

- Achieved a mark of 91% in algorithms and data structures exam, demonstrating a strong understanding of core concepts.
- Demonstrated proficiency in Java through comprehensive coursework.

BSc Biochemistry (Hons.)

University of Birmingham   Graduated 2019

- Developed expertise in data interpretation using R, enabling effective statistical analysis and data visualisation.
- Conducted multiple laboratory projects in which novel data was collected and interpreted with R.