KUNHEE HA

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SUMMARY

Backend Engineer with over 2.5 years of experience, 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.

EDUCATION

PGCert Computer Science and Artificial Intelligence

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.

SKILLS

Languages

Go Python Java Javascript Bash

Database and Cache Management

SQLAlchemy Alembic GORM Redis PostgesSQL SQLite

DevOps/Deployment

Docker Kubernetes AWS EC2 NGINX Apache Gunicorn

Frameworks

Flask Django

Markup/Stylesheet

HTML CSS LaTeX Markdown

PERSONAL PROJECTS

Personal Website

www.kunheeha.com

- Developed a responsive website using Flask, PostgreSQL, vanilla Javascript, and Bootstrap
- Deployed on an AWS EC2 Debian server with NGINX and Gunicorn

Online Workspace

www.onlineworkspace.com

- Created a collaborative workspace using Django, PostgreSQL, vanilla Javascript, and Bootstrap
- Deployed alongside the personal website, utilizing a separate server block in NGINX configuration

a small open source contribution

- noticed error while running wdpass on personal linux desktop, identified and resolved issue through local testing, contributed to merging a fix commit into master branch

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.