Piyumi Madhubhashini
Software Engineer

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Profile

Software Engineer with 4+ years of experience building customer-centric, scalable API solutions using Golang and Javascript. Proven track record of solving complex business problems through technical innovation, leading to a 273% revenue increase and substantial cost savings. Strong focus on code quality, testing, and data-driven optimization in high-growth environments.

Professional Experience

Thirdfort   December 2023 – present
Software Engineer II   London, United Kingdom
- Architected and implemented Thirdfort's two fastest third-party integrations from provider research to production deployments, including Companies House integration as a data provider, resulting in £70K/year savings in supplier costs.
- Implemented fault-tolerant distributed systems for Know Your Business product, leveraging Golang-based microservices to reduce processing latency by 99% (2 hours to 1 minute)
- Conducted over 5 technical investigations, delivering significant system enhancements to optimize the client due diligence process.
- Improved deliverables by developing new UX workflows connecting two product features, boosting feature revenue by 20%.
- Acted as a tech support engineer for 2 support teams.
- Hosted product feature sessions, engaging with over 30 stakeholders.

Thirdfort   June 2021 – November 2023
Software Engineer I   London, United Kingdom
- Led technical analysis of HM Land Registry Business Gateway handling constraints and connected to a new product and revenue stream building a Golang-based microservice including an XML-to-REST interface.
- Developed robust error handling and retry mechanisms for distributed systems, achieving 99.9% service reliability.
- Developed a Node.js-based microservice to securely handle large document uploads removing a previous size limitation.
- Collaborated with DevOps to improve observability and monitoring across over 4 core components.
- Migrated 3 core components to automate CI/CD pipelines with DevOps using Terraform and Buildkite.

WSO2   August 2019 – February 2020
Software Engineering Intern   Colombo, Sri Lanka
- Worked with WSO2 Identity Server, authentication protocols.
- Conducted two individual research projects IAM CLI and Debugger for Identity Server Authentication flow.

Skills

Backend Development
Golang, Node.js, JavaScript, TypeScript, Java, Microservices, Caching, REST/SOAP APIs, Kafka, gRPC, Pub/Sub

Databases
SQL, PostgreSQL, ArangoDB, Redis

Cloud services
GCP

Frontend developement
React, Next.js, Joy-UI, Storybook

Devops
Docker, Kubernetes, Terraform, Buildkite, OTel, Grafana

Other
Git, Test-Driven Development, CI/CD, Agile development practises, JIRA, Asana, Postman

Education

Bachelor of Science(Hons) in Information Technology
University of Moratuwa
Sri Lanka
- Graduated with First class division
- Granted Dean's List honours

Certificates

Google Cloud Certified Cloud Digital Leader
Credential ID: fc057f375c63484b10955ff75a946de ⇗

Projects

Github based Bug analysing approach
Conducted collaborative research, implementing bug prioritization using a Convolutional Neural Network classification algorithm as one of three components using Python.

Smart Parking Manager
Collaborated with Virtusa (Pvt) Ltd on the parkHere project, creating a web and mobile application to facilitate parking for drivers using MongoDB, Angular, Node.js, Express.js, and Android Studio.