

AMILA KUMARASEKARA

SENIOR SOFTWARE ENGINEER

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SUMMARY

I am a Senior Software Engineer with extensive experience in designing and developing both web and mobile applications. I have a strong command of technologies including JavaScript, TypeScript, React, React Native, Next.js, Node.js, NestJS, PHP, Laravel, Express, Flask, go, rust and Python. I thrive on learning new technologies, adapting to emerging trends, and applying best practices to deliver high-quality, scalable software solutions.

WORK EXPERIENCE

Senior Software Engineer, CueGrowth

Oct 2024 - Present

- Leading the design and development of scalable web platforms using Go, Python, NestJS, Next.js, React, and TypeScript.
- Architected and implemented secure REST APIs and microservices, improving system performance and reliability.
- Integrated authentication, authorization, and encryption mechanisms to enhance platform security.
- Optimized database queries and caching strategies (PostgreSQL, MongoDB, Redis), reducing response times and improving scalability.
- Deployed and maintained applications using Docker, AWS, and CI/CD pipelines, ensuring high availability and smooth releases.

Senior Software Engineer, Chekins / Travelpartners

Jan 2022 - Sep 2024

- Developed and maintained large-scale hotel booking and travel platforms serving B2B and B2C users.
- Built responsive, high-performance UIs using Next.js, React, Tailwind CSS, and reusable component architecture.
- Designed and implemented backend services using NestJS, Golang, Node.js, Express, and microservices architecture.
- Integrated third-party services including Stripe payments, Auth0 authentication, Google APIs, Elasticsearch, and hotel supplier APIs.

Software Engineer, VertexLogics

Aug 2018 - Nov 2022

- Developed full-stack web applications using Laravel, React, Node.js, Flask, and MySQL/MongoDB. Web3-enabled features, including wallet-based authentication, smart contract interaction (via Ethers.js), and blockchain data consumption for decentralized applications
- Built e-commerce platforms, landing pages, and automation systems, focusing on performance, scalability, and usability.

EDUCATION

BSc (Hons) in Information Technology Specialising in Software Engineering

Jun 2022 - Jun 2026

Sri Lanka Institute of Information Technology

ADDITIONAL INFORMATION

- Languages & Frameworks:** JavaScript, TypeScript, Python, PHP, React, Next.js, React Native, NestJS, Express, Laravel, Flask, Golang, Rust, Flutter
- Cloud, DevOps & Orchestration:** AWS, Azure, GCP, Docker, Kubernetes, NGINX, CI/CD, Vercel, Terraform,
- Databases & APIs:** MySQL, PostgreSQL, MongoDB, REST APIs, WebSockets, Socket.IO, Webhooks, Azure Cosmos DB, Redis
- Security & Integrations:** JWT, OAuth, Stripe, PayPal, Elasticsearch, Wallet authentication, Web3.js, Auth0, Role-Based Access Control (RBAC), Encryption
- Tools & Workflow:** Git, GitHub/GitLab, Agile/Scrum, JIRA, Clickup, Notion, Expo, Android Studio, Xcode
- Frontend, Testing & Monitoring:** Tailwind CSS, Material UI, Ant design, Bootstrap, Jest, CloudWatch, Prometheus, Grafana, Sentry
- Architecture & Patterns:** Microservices Architecture, MVC, Clean, Event-driven systems