

Akila Dananjaya

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Professional Profile

Full Stack Software Engineer with **over six years of experience** building scalable web applications for international startups. Experienced in leading engineering teams, architecting cloud infrastructure on AWS, and developing high-performance backend systems serving **100K+ users**. Passionate about building reliable, scalable software and delivering impactful solutions in fast-paced environments.

Experience

Lead Full Stack Engineer, Skillfully – San Francisco, CA – (Remote) July 2023 – Present

- Building [Skillfully](#), an innovative recruitment platform now serving over **100K users**.
- Collaborate closely with founders to build key product features, contributing to a successful **\$2.5M** fundraising round.
- Architect and manage **AWS ECS, Lambda, Cognito, SQS, EventBridge, PostgreSQL, Redis** infrastructure.
- Migrated the infrastructure of [Skillfully](#) from manual AWS EC2 instances to AWS ECS, significantly improving reliability, scalability, and deployment efficiency.
- Develop and optimize high-performance PostgreSQL schemas and wrote advanced queries to efficiently manage datasets containing **millions of rows**.
- Lead a team of 3 software engineers, providing technical direction, architecture decisions, and code reviews.
- Implement end-to-end testing using **Cypress**, reducing production regressions and improving release confidence.

Software Developer, Diwala – Norway – (Remote) June 2021 – Sep 2023

- Engineered scalable infrastructure for [Diwala](#) using Terraform, supporting over **5K active users**.
- Conducted PostgreSQL migrations maintaining data integrity and uninterrupted user access.
- Built a template engine based on React.js, which generates PDF documents with automatic content adjustments.
- Built a robust worker system to dynamically generate OpenGraph images, automating social media previews.

Associate Software Engineer, Atlas Labs – Sri Lanka Aug 2020 – April 2021

- Revamped legacy software for cash flow management, improving project health from critical to stable.
- Conducted workshops on Bash scripting best practices, enhancing team capability and code quality in the Embedded Engineering department.

Trainee Software Engineer, Fidenz Technologies – Sri Lanka Dec 2019 – July 2020

- Developed pixel perfect, responsive websites using React.js

Education

Wrexham University 2024

Bachelor of Science (Hons) in Computing

- Graduated with **First Class Honours**, achieving **top of class** recognition.
- Relevant Coursework: Object-Oriented Analysis & Design, Data Structures & Algorithms, Distributed Data & Data Analytics.

Personal Projects

Primebio

producthunt.com/primeb-io

- Co-founded a video monetization platform, responsible for the technical development and architecture of intuitive link-in-bio for content creators to house paid videos.
- Ranked **#8 on Product Hunt** on launch day
- Technologies Used: Stripe Connect, Redis, AWS S3, AWS Cognito

PDF Charts

producthunt.com/pdf-charts

- Developed a PDF generation platform with charts including an intuitive drag-and-drop interface and API for dynamic PDF creation
- Featured on Product Hunt
- Technologies Used: Paddle Payments, AWS Lambda, AWS SQS, AWS Beanstalk

Writing Portfolio & Learning Journey

- youtube.com/@akilacodes
- medium.com/@hddananjaya
- hddananjaya.wordpress.com (Archive)

Tech Stack

Languages: TypeScript, JavaScript, SQL

Frontend: React, Next.js, Tailwind CSS, TanStack, Zustand, Shadcn/UI

Backend: Node.js, NestJS, GraphQL, REST APIs

Databases: PostgreSQL, MySQL, Redis

Cloud & DevOps: AWS ECS, Lambda, Cognito, EventBridge, SQS, Step Functions, Amplify, Terraform, Docker, GitHub Actions

Tools & Libraries: Prisma, Kysely, Git, Cypress, Nx

References

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