

# AKHIL PRASENAN

**Lead Software Engineer / Platform Owner**

Singapore

+65 8328 6347

akhil\_prasenan@outlook.com

<https://decodez.github.io>

Notice Period: 2 months

Visa: Permanent Resident

## PROFESSIONAL SUMMARY

Principal-level Software Engineer with a decade of experience designing and evolving complex enterprise software systems. Currently operating as a Lead Software Engineer with responsibility for system architecture, technical decision-making, and long-term evolution of data-intensive web applications used by multiple stakeholder groups. Strong focus on reliability, maintainability, developer experience, and continuous platform improvement through close collaboration with product, UX, backend, and business stakeholders.

## CORE EXPERTISE

- System & Platform-Oriented Architecture
- Web & Frontend Platforms (Angular, React, JavaScript ecosystems)
- Developer Experience (DX) & Tooling
- CI/CD Pipelines & DevOps Enablement
- Performance, Reliability & Observability
- Data-Intensive Enterprise Applications
- Stakeholder-Driven Technical Leadership

## PROFESSIONAL EXPERIENCE

### Lead Software Engineer (Platform-Focused)

JLL (Client: Google) — Singapore

2020 – Present

Grade: P4 Individual Contributor

- Serve as technical owner for frontend and system architecture of a complex enterprise web application supporting Google projects, with responsibility for long-term maintainability and evolution.
- Drive architectural and technical decisions in collaboration with backend, UX, and product teams, balancing performance, complexity, and evolving business requirements.
- Act as the primary technical point of contact for multiple internal and external stakeholders, aligning technical direction with continuous product and business needs.
- Lead continuous system improvement through refactoring, performance optimisation, and incremental platform enhancements rather than short-term feature delivery alone.
- Own CI/CD pipelines and DevOps workflows for the application, improving deployment reliability, developer efficiency, and operational visibility.
- Mentor engineers contributing to the product by providing architectural guidance, design reviews, and technical feedback.
- Participate actively in production support, monitoring, and incident resolution, ensuring system reliability and long-term health.

---

## Senior UI / UX Developer

EY Digital — Singapore

2018 – 2020

- Delivered large-scale enterprise and government web platforms with complex business and regulatory requirements.
- Designed scalable frontend architectures and reusable component systems.
- Collaborated closely with backend, design, and product teams to ensure maintainability, performance, and consistency.
- Contributed to shared frontend standards and documentation across projects.

---

## UI / UX Developer

Adelphi Digital — Singapore

2017 – 2018

- Built responsive, production-grade web applications using modern frontend technologies.
- Ensured performance optimisation, accessibility, and cross-browser compatibility.
- Worked within cross-functional teams delivering enterprise digital solutions.

---

## Freelance Software Engineer (Full Stack / Systems)

2014 – Present

- Delivered end-to-end software solutions, owning system design, implementation, and deployment.
- Built full-stack systems using MERN stack, Electron desktop applications, and custom dashboards.
- Designed backend APIs, authentication flows, data models, and frontend systems for production use.

### SELECTED SYSTEMS & PROJECTS

#### Enterprise Monitoring & Analytics System

- Designed and built a Linux-based monitoring solution using Electron and Python.
- Implemented a MERN-based backend and React dashboard for secure data ingestion, storage, and visualisation.
- Focused on reliability, observability, and long-term system maintainability.

#### Enterprise & Government Platforms (EY / JLL)

- Delivered and supported multiple large-scale enterprise and government platforms.
- Integrated frontend systems with enterprise CMS platforms (Sitefinity, Sitecore).
- Ensured compliance with Singapore government digital service standards.

## TECHNOLOGY STACK

### Languages & Frameworks

JavaScript, TypeScript, Python, Angular, React, HTML, CSS, SASS

### Platform & Tooling

CI/CD pipelines, DevOps workflows, monitoring & production support

### Systems & Architecture

Frontend systems, API integrations, data visualisation, enterprise CMS

## TECHNOLOGY STACK

**Bachelor of Science (Honours) in Computer Science**

**University of Portsmouth — United Kingdom**

**Completed 2024 | Final results pending (expected First Class Honours)**

**Diploma in Aerospace Avionics**

**Republic Polytechnic — Singapore**

**2010 – 2013**