

# AKHIL PRASENAN

Lead Software Engineer / Platform Owner

Singapore  
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<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.

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## **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.
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## **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.
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## **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