

# AKHIL JACOB

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**Full-stack engineer and systems architect** specializing in the architecture and development of secure, AI-native systems. Experience shipping production-grade platforms from **0-to-1**, from agentic AI applications to mission-critical infrastructure in zero-trust enterprise environments. Proven ability to operate full-stack, leading projects from concept to deployment on Google Cloud and Azure.

## WORK EXPERIENCE

### Founder & Lead Developer

Modrn Magic Apps | May 2023 – Present

- Architected and launched 7 AI-native apps (4 web, 3 mobile) using Flutter, Next.js, and Google Cloud, achieving **10,000 total unique users**; shipped each from idea to users in 1-3 months. Full Portfolio at: [akhilcjacob.com/projects](https://akhilcjacob.com/projects)
- **Inboxhiive**: Built a podcast summarization platform with Gemini and Firestore trigger functions, enabling real-time audio-to-newsletter conversion via async flows.
- **HypeBridge**: Developed an AI-driven influencer marketing tool, automating brand discovery and outreach for streamlined campaigns.

### Software Engineer II, Identified Data

Datavant | March 2022 – May 2023

- Engineered a **containerized auth system** with Kotlin, Docker, and Terraform, enforcing OAuth2/OpenID Connect across all organizational APIs and services.
- Reduced manual data retrieval from days to minutes by **automating EHR integration**, reducing manual overhead.
- Enhanced a healthcare microservice's reliability with retry logic and error handling under high load.

### Software Engineer, Azure Identity

Microsoft | August 2019 – February 2022

- Designed a C# infra-as-code system using TDD to manage **Department Of Defense service principals**, ensuring zero downtime for first-party apps.
- Shipped C# APIs and JavaScript UI features for Azure AD, adding new features and speeding up client-side authentication.
- Drove a **30-40%** reduction in new hire turnover by designing and leading a technical onboarding and mentorship program, directly improving talent retention for the Azure Identity organization.

## EDUCATION

### Bachelor of Science in Computer Engineering

Rensselaer Polytechnic Institute, Troy, NY | August 2016 – May 2019

- Coursework: Algorithmic Robotics, Embedded Control, Applied Parallel Computing, Computer Arch., Internet of Things (IOT)

## TECHNICAL SKILLS

**Languages**: Dart, Java, Python, C#, JavaScript, TypeScript

**Frameworks**: Flutter, Next.js, React.js, Vue.js

**AI/ML**: Gemini, GPT, OpenRouter

**Cloud**: Google Cloud, Azure, Docker, Terraform