

AKHIL JACOB

<https://akhilcjacob.com> | akhilcjacob.public@gmail.com | <https://github.com/akhilcjacob>

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

Modrn Magic Apps

Founder & Lead Developer | *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
- 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.

Datavant

Software Engineer II, Identified Data | *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.

Microsoft

Software Engineer, Azure Identity | *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 | *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