

# Sachin Thomas

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🏠 Troy, MI

## Professional Summary

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Full-stack engineer with 8+ years of experience building scalable web and mobile applications in fast-paced, agile environments. Proficient in TypeScript and JavaScript, with deep experience using frameworks such as Angular, React, and Node.js. Skilled in Python, UX design, and system architecture, with a strong track record in adaptability and team leadership. Brings a sharp attention to detail that ensures high code quality, intuitive user experiences, and reliable, production-ready software delivery.

## Professional Experience

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### Software Engineer

Latcha & Associates Inc.

[2020 - Present]

**MIQ Real-time Communication** - Amplified engagement and responsiveness for over VW customers nationwide by integrating live Car-Net telemetry into the MIQ marketing platform. Enabled real-time, personalized customer messaging and developed an interactive dashboard to visualize live feed metrics, allowing administrators to monitor system status and customer activity using advanced filtering and segmentation.

**Marketing IQ Platform** - Reduced campaign processing time by streamlining delivery with bulk writes, efficient SQL connection pooling, and consolidating all deliverables into compressed files. Upgraded Node.js backend, Angular frontend, and replaced legacy Jenkins with LTS versions; all with zero downtime while supporting thousands of dealerships and over 4 million customers.

**Marketing IQ UI Enhancements** - Improved dealer and manager efficiency by streamlining workflows through UX/UI optimization and API redesign, refactored the Angular/Node.js codebase, made UI enhancements based on user feedback, and guided the team through large-scale changes while maintaining daily delivery schedules.

### Software Engineer

CrowdANALYTIX

[2015 - 2020]

**Belongings Check - Care Center Management Platform** - Significantly reduced caretaker check-in/check-out times and streamlined workflows by architecting a high-performance, cross-platform Flutter app (iOS/Android) for real-time video processing—replacing the initial Angular PWA/WebRTC prototype.

**dataX Platform - Enterprise Data Intelligence Suite** - Accelerated Fortune 500 clients ML initiatives by integrating an AngularJS-powered UI playground for bulk image processing and real-time model classification visualization, transforming unstructured data into AI-ready datasets at scale, with sub-second response times and streamlined UX enhancements.

**dataX Sync (GS1 Certification Validator)** - Ensured seamless, compliant certification workflows by orchestrating a robust Angular UI with strict client and server-side validations. Implemented complex GS1 specifications, integrated Stripe payments to unlock a new revenue stream, and processed thousands of product certifications with optimal performance.

**Catalog Repository** - Enabled data science teams to query and analyze over 10 million products with sub-second response times by architecting a distributed Node.js/Express.js backend, integrating Redis-based queuing and MongoDB, and delivering an Angular interface with zero downtime and seamless concurrent processing.

**GitLab Infrastructure Migration** - Improved developer productivity and reliability by leading the migration of version control to cloud-hosted GitLab CE configuring and deploying the platform, standardizing modern Git workflows, and implementing robust backup and security update protocols.

### Systems Administrator

S&J Aviations

[2014 - 2015]

**Network Administration & Web Design** - Strengthened network security and workplace productivity by deploying remote network monitoring and DNS-level content filtering, and established the company's online presence through designing and launching its website, while maintaining reliable IT infrastructure and systems administration.

# Creative & Technical Contributions

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## Web Designer/Photographer

Karunya University - EWYL Program [2011 - 2013]

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**Earn While Your Learn Scheme** - Elevated the university's online and visual identity by designing and launching the Admissions website with HTML/CSS, producing brochures and digital assets in Photoshop/Illustrator, and co-ordinating student photography sessions for web content.

## Volunteer Event Photographer

Native Community [2024 - Present]

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**Event Photography** - Capture moments at cultural and community events, delivering high-quality photographs that support event promotion and preserve community heritage.

# Technical Skills

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- **Programming Languages** - TypeScript/JavaScript, Python, Dart, Go (currently learning)
- **Backend & Runtime** - Node.js, Deno, Django, FastAPI
- **Service Layer Tools** - RestfulAPI, WebSockets, JSON, HTTP/HTTPS, OAUTH/OAUTH2.0, Json Web Tokens (JWT)
- **Databases & Tools** - MSSQL, PostgreSQL, MySQL, MongoDB, Redis (as Cache DB), TypeORM, Sequelize, SQLAlchemy, Alembic
- **Frameworks & Libraries** - Angular, React, Flutter, Next.js, Material UI (Angular & React), Jest
- **Design** - Figma, Adobe Suite, Balsamiq
- **Devops & Tools** - Chrome DevTools, Firefox Debugger, npm, yarn, pipenv, poetry, Docker, Jenkins, Git, tmux/screen, Postman, Bash Scripting, and other of handful of CLI tools
- **Code Editors & IDEs** - VSCode, IntelliJ Pycharm, WebStorm & Datagrip
- **Cloud Infrastructure** - AWS, Google Cloud, Azure
- **AI & ML APIs** - OpenAI, Anthropic Claude, Google Gemini
- **Operating Systems** - macOS, Linux (Ubuntu), Windows, Raspberry Pi OS

# Education

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## Bachelor of Technology - Information Technology

Karunya University, India [2008 - 2014]