

# Sachin Thomas

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🏠 Troy, MI

## Professional Summary

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Innovative Full-Stack Engineer with 8+ years of experience designing and deploying scalable, production-grade applications in fast-paced automotive and enterprise environments. Proven expertise in Angular, React, Modern front-end tools, Node.js, and cloud-native architectures (AWS, GCP). Skilled in leading cross-functional teams, optimizing system performance, and translating business goals into reliable digital platforms. Passionate about delivering data-driven user experiences and high-impact solutions at scale.

## Professional Experience

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### Sr. Full-Stack Engineer

Latcha & Associates Inc. - Farmington Hills, MI, USA

[Dec, 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 delivery processing time by 50% by implementing bulk writes, efficient SQL connection pooling, and compressed file delivery. Upgraded Node.js backend, Angular frontend, and legacy Jenkins to LTS versions with zero downtime while serving thousands of dealerships and 4+ million customers.
- **Marketing IQ UI/UX Enhancements** - Improved task completion by simplifying workflows with UI/UX optimization and API redesign, refactored the Angular/Node.js codebase, made UI/UX enhancements based on user feedback, and guided the team through large-scale changes while maintaining daily delivery schedules.

### Software Engineer

CrowdANALYTIX - Bangalore, India

[Oct, 2015 - Dec, 2020]

- **Belongings Check (Care Center Management Platform)** - Significantly reduced caretaker check-in/check-out times and revamped workflows by architecting a robust, cross-platform Flutter app (iOS/Android) for real-time video processing, replacing the initial Angular PWA/WebRTC prototype.
- **dataX Platform (Enterprise Data Intelligence Suite)** - Designed and built a highly responsive AngularJS UI playground that empowered users to visually manage ML workflows, including bulk image processing and real-time classification. Simplified interaction with complex data pipelines through user-focused visual design and UX streamlining, delivering AI-ready output with sub-second responsiveness.
- **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.

### Systems Administrator - Chennai, India

S&J Aviations

[August, 2014 - August, 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) - Coimbatore, India

[October, 2011 - May, 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 - Troy, Michigan

[August, 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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- **AI & ML APIs** - OpenAI, Anthropic Claude, Google Gemini
- **CI/CD** - Jenkins, Github Actions
- **Cloud Infrastructure** - AWS, Google Cloud, Azure
- **Code Editors & IDEs** - VIM, VSCode, IntelliJ Pycharm, WebStorm & Datagrip
- **Databases & Tools** - MSSQL, PostgreSQL, MySQL, MongoDB, Redis, TypeORM, Sequelize, SQLAlchemy, Alembic
- **Design & Prototyping & Wireframing Tools** - Figma, Adobe Suite, Balsamiq
- **Devops & Tools** - Chrome DevTools, Firefox Debugger, NGINX (Web Server Configuration/Reverse Proxy), Cloudflare, Datadog, npm, yarn, pipenv, poetry, Docker, Jenkins, Git, TMUX/Screen, Postman, Datadog, Bash Scripting, and other of handful of CLI tools
- **Frameworks & Libraries & Runtime** - Node.js, Deno, Angular, React, Flutter, Express.js, Nest.js, Next.js, Material Design System, Django, FastAPI, Flask, Scrapy (Web Scraping)
- **Operating Systems** - macOS, Linux (Ubuntu), Windows, Raspberry Pi OS
- **Programming Languages & Paradigms** - TypeScript/JavaScript, Python, Dart, Go (currently learning), Data Structures & Algorithms, OOP, SOLID, Functional & Modular Programming, LaTeX
- **Service Layer Tools** - RestfulAPI, WebSockets, XML, JSON, HTTP/HTTPS, OAUTH/OAUTH2.0, Json Web Tokens (JWT)
- **Software Architecture & Patterns** - MVC, MVVM, Design Patterns, RESTful Design, Monolith to Microservices, SOLID
- **Soft Skills** - Problem Solving, Stakeholder Communication, Handling Technical Debt
- **Testing Tools** - Karma/Jasmine, Chai/Mocha, Jest, Playwright

## Education

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### Bachelor of Technology - Information Technology

Karunya University, India

[2008 - 2014]