Sachin Thomas

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Professional Summary

Full-stack engineer with 8+ years of experience delivering scalable, real-time web and mobile platforms. Adept in Angular, React, Node.js, Python, and Flutter, with a strong foundation in UX design, system architecture, and team leadership.

Professional Experience

Software Engineer
Latcha & Associates Inc.   **[2020 - Present]**

MIQ Real-time Communication - **Amplified engagement and responsiveness** for over 4 million VW customers nationwide by integrating live Car-Net telemetry into our marketing automation platform; enabling real-time, personalized customer messaging.

Marketing IQ Platform - **Reduced campaign processing time** considerably 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]**

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

Web Designer— Photographer

Karunya University - EWYL Program
[2011 - 2013]

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 (US)
[2024 - Present]

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

Technical Skills

- **Programming Languages** - TypeScript/JavaScript, Python, Dart, Go (currently learning/exploring)
- **Backend & Runtime** - Node.js, Deno, Django, FastAPI
- **Databases** - MSSQL, PostgresSQL, MongoDB, MySQL, Redis (as Cache DB)
- **Frameworks/Libraries** - Angular, React, Flutter, next.js, d3.js
- **Design** - Figma, Adobe Suite, Balsamiq
- **Devops & Tools** - Docker, Jenkins, Git, SSH, CLI tools, tmux/screen, Postman
- **Cloud Infrastructure** - AWS, Azure, Google Cloud
- **AI & ML APIs** - OpenAI, Antrhopic Claude, Google Gemini
- **Operating Systems** - macOS, Linux (Ubuntu), Windows, Raspberry Pi OS

Education

Bachelor of Technology - Information Technology

Karunya University, India
[2008 - 2014]