

Nithish Suresh Babu

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SUMMARY

Software Development Engineer - GenAI with expertise in full-stack development and AI integration. Proven record delivering multi-tenant platforms and designing robust data synchronisation for large user bases. Seeking to apply Go, Python, and TypeScript skills to drive innovative, scalable software solutions.

EDUCATION

UNIVERSITY OF MICHIGAN

Master's in Computer and Information Science

- **GPA:** 3.9

Aug 2023 - Apr 2025

Michigan, USA

ANNA UNIVERSITY

Bachelor's in Computer Science and Engineering

- **GPA:** 3.4

Jul 2018 - Jul 2022

Chennai, IN

OPEN SOURCE CONTRIBUTIONS

GOOGLE | [go-github](#)

CONTRIBUTOR

- **Engineered** and implemented new API methods to manage **GitHub Enterprise App repository installations**, successfully **enhancing** the functionality of the widely-used library.
- **Authored production-quality Go code** and **comprehensive unit tests** to guarantee the reliability and stability of new library features.
- **Collaborated with maintainers** through the Pull Request (PR) review process, **refactoring code** to align with established project conventions and Go best practices.

EXPERIENCE

SQUARE RESULTS

Aug 2025 - Present

Software Development Engineer - GenAI

Seattle, WA

- Architected a multi-tenant centralised backend with Supabase, unifying authentication and user management across multiple company websites, reducing login friction by 30% and enabling scalable access for thousands of users.
- Leveraged Supabase's Row-Level Security and real-time capabilities to integrate disparate site user bases into a single, secure login system, resulting in data isolation and seamless cross-site functionality

CLASSA.AI

Jul 2025 - Aug 2025

Software Developer - Contract

Seattle, WA

- Delivered complete TypeScript schema library and data integration system for 200+ aviation insurance endorsements, automating .docx policy generation with TypeBox validation.
- Enhanced premium calculation and document population processes, integrating with external services to ensure accurate, compliant policy issuance for a scalable insurance platform.

CENTRAL MARINE RESEARCH INSTITUTE

Jan 2025 - Jul 2025

Full Stack Engineer

Remote, WA

- Developed full-stack applications using Vue.js, Flutter, and Go, serving 100+ researchers with real-time marine data access in low-connectivity environments.
- Built an offline-first system with automatic sync for preserving and restoring user data during connection loss, ensuring consistent access to critical marine research data

UNIVERSITY OF MICHIGAN

Sep 2024 - Dec 2024

Research Assistant -GenAI DeepFake

Dearborn, MI

- Collaborated with academic experts to design and validate deepfake detection models using TensorFlow, achieving 88.37% accuracy by benchmarking eight models across diverse GenAI image generation datasets
- Architected a full-stack Next.js platform that deployed the model for public testing, used server-side API routes for real-time inference, and designed a SQLite3 schema to capture user feedback, enabling iterative model retraining and improving detection performance

SKILLS

- **PROGRAMMING LANGUAGES:** Go, Python, TypeScript, JavaScript, C++, HTML5/CSS3, Dart
- **LIBRARIES/FRAMEWORKS:** Go Chi, Fast-API, Tailwind-CSS, shadcn/ui, Flutter, React/React Native, Next.js, Vue.js, Node.js, RESTful APIs, TanStack*
- **TOOLS / PLATFORMS:** Docker, Git, Github, AWS, Kubernetes, Google Cloud Platform, Postman, LangChain, Ollama, PyTorch, TensorFlow
- **DATABASES:** PostgreSQL, SQLite3, Supabase, DynamoDB, Redis, AWS RDS, AWS S3, NoSQL

Achievements

- **Peoples Choice Of The Year 2025 (Googles Cloud Developers):** Designed and Developed AI Voice agent that Automates the Insurance Quoting via Phone calls

Projects

- **Link:** <https://chrono-next-6u7e.vercel.app/>
Built a **full-stack SaaS application** for small teams featuring weekly timesheets, Kanban project boards, role-based team management, and AI-powered productivity analytics using Google Gemini. Tech stack: Next.js 16, React 19, TypeScript, SQLite, Tailwind CSS, and Resend for transactional emails. Chrono - Time Tracking & Project Management Platform .