Karthik Gurram

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Skills

Languages: Python, Java, SQL, JavaScript, TypeScript, HTML, CSS, Go, C, C#, Swift

Frameworks: React, React Native, Next.js, Node.js, Flask, Django, Docker, Kubernetes, AWS, PostgreSQL

Interests: Varsity badminton student athlete, producer, sound engineer & recording vocalist, video/photographer

Experience

Software Engineer, Fincita Consulting
Toronto, ON | **Sep 2024 – Apr 2025**

- Designed and implemented **RESTful APIs** for a high-traffic e-commerce platform, leveraging optimized request handling, caching, and load balancing to improve UX and reduce latency by **40%**
- Optimized backend architecture with **MySQL** query tuning and **AWS Cloud Services** enhancements, improving data retrieval efficiency, scalability, and reducing server response times by **25%** while cutting costs by **20%**
- Mentored junior developers and documented backend best practices to boost productivity and knowledge transfer

Site Reliability Engineer Intern, Kinaxis
Toronto, ON | **Jan 2023 – Aug 2023**

- Automated **Salesforce–Datadog** synchronization with **Python** pipelines executing **100+ daily jobs**, integrating custom Datadog wrappers to cut manual monitoring by **100%** and ensure zero data drift across teams
- Modernized SOAP APIs to **REST** & optimized **SQL–Pandas** workflows, cutting runtime by **20%** for **100+ employees**

Software Developer Intern, Andie Technologies
Toronto, ON | **Jan 2022 – Apr 2022**

- Developed a **ReactJS** + **Django** web app for corporate catering, integrating **RESTful APIs** that enable clients to schedule events, organize inventory & receive tailored quotes with seamless backend support
- Enhanced engagement with real-time updates and notifications using Twilio & SendGrid in a **20-person Agile team**

Projects

Tailor AI

An **AI-powered platform** that evaluates resume strength and provides actionable insights, featuring **Stripe**-powered subscriptions and **Firebase**-secured authentication for seamless, scalable user experience

Muse

A real-time music recommendation platform leveraging **React**, **Node.js**, & **Flask** ML pipelines for suggestions, utilizing asynchronous streaming & optimized front-end rendering to reduce latency by **25%** & enhance discovery experience

WAVs

A **SwiftUI iOS** audio memo app with **Dockerized Flask** microservice on **Google Cloud Run**, using Librosa & Whisper for real-time voice-to-text & audio feature analysis, providing artists with creative feedback & productivity tools

Certifications

PCAP1 - Certified Associate in Python Programming
Aug 2025

Education

Ryerson University
Toronto, ON | **Aug 2024**

B. Eng, Computer Engineering (Software Engineering Stream)

Coursework: Distributed Systems, Databases, Computer Vision, Embedded Systems, Software Project Management