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, Kibana

Experience

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

- Improved query efficiency & ensured system scalability under increasing workloads by analyzing performance metrics from **Elasticsearch** clusters to identify bottlenecks, leading to a targeted shard reallocation strategy
- Reduced issue resolution time by **40%** by integrating **Prometheus**, **Grafana**, & **ELK** to improve observability
- Boosted client engagement by **20%** by delivering mobile-first responsive **React** sites with optimized load times

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

- Ensured consistent data compatibility across Salesforce & Datadog as measured by **96 successful daily syncs**, by developing a **Python** automation script to perform scheduled down-time synchronization operations
- Cut script runtime by **20%** & accelerated workflows for over **1,000 employees** by modernizing a SOAP API into modern **REST** functionality & optimizing advanced **SQL-based Pandas** queries
- Collaborated with Google's data engineers to evaluate potential migration from Grafana to **Looker Studio**, contributing insights during strategy meetings, resulting in a good understanding of use cases & benefits

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

- Enabled clients to schedule events & receive restaurant catering quotations based on their specifications by building a comprehensive web application using **ReactJS** & **Django** for corporate catering & events management
- Boosted user engagement & UX through real-time updates & mobile notifications by developing customer-facing dashboard with Twilio & SendGrid in an **Agile** team of 8 within a **high-ambiguity startup environment**
- Consistently built features that met both business goals and user expectations by collaborating crossfunctionally with designers, backend engineers, and stakeholders to align on requirements

Projects

Tailor AI

- Built a full-stack SaaS platform using Next.js, Firebase & Stripe that empowers users to generate personalized resume insights & job ready documents, **reducing onboarding friction by 30%**
- Designed secure authentication, Firestore-based real-time data syncing, and automated Stripe billing flows to streamline subscription management and **boost user retention by 25%**
- Launched a production-ready MVP on Vercel with responsive UI, **TypeScript** reliability, and scalable infrastructure, achieving **99% uptime** and **<100ms API response times** for early SaaS adoption and growth

Muse

- Delivered real-time music suggestions based on songs or albums selected by users by constructing a full stack, responsive web app with **React**, **NodeJS**, & **Flask**, using an ML-based recommendation engine
- Improved recommendation accuracy by implementing a music recommendation system using K-Nearest Neighbors (KNN) & **scikit-learn**, trained on key features like danceability, energy, valence, & tempo
- **Improved perceived latency by 25%** by implementing **asynchronous** optimizations as a result of assessing UI responsiveness metrics in the Muse app to identify rendering delays

Education

Ryerson University   Toronto, ON | Aug 2024

B. Eng, Computer Engineering (Software Engineering Stream)

Coursework: Distributed Systems, Databases, Operating Systems, Computer Networks, Computer Vision, Embedded Systems, Software Design & Architecture, Software Project Management