

Vinuth Kalmidi

Software Engineer | +1 315-455-0180

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SUMMARY

Software Engineer with 3+ years of experience building **full-stack** and **cloud-based systems**, with a strong focus on scalable services, **AI-driven features**, and high-quality user experiences. Skilled in **React, Node.js, Python**, and distributed backend APIs, with hands-on experience in **Azure/GCP, Docker**, and **microservice architectures**. Passionate about leveraging AI to improve engineering velocity, designing reliable cloud services, and creating intelligent, intuitive experiences that help users.

EXPERIENCE

Software Engineer

Syracuse University

Jun '25 — Present

United States

- Engineered an **AI-powered job application platform** to automate resume parsing, job scraping, and tailored document generation, streamlining the end-to-end application process.
- Architected scalable **Python (Flask/FastAPI) APIs** using **GraphQL and REST**, enabling efficient data flow and intelligent job matching aligned with user profiles.
- Implemented **OpenAI GPT models** to automatically generate personalized resumes and cover letters, enhancing user experience and minimizing manual effort.

Software Engineer

BYJU'S

Aug '21 — Jul '23

- Designed and enhanced** scalable **loan management systems** with **React.js, Node.js, Express**, and **microservices**, improving onboarding workflows and backend performance across client platforms.
- Constructed** an automated **loan approval (Green Channel)** and **job distribution system** using **Node.js, MongoDB, and RESTful APIs**, cutting processing time by **25%** and increasing efficiency by **20%**.
- Directed** backend implementation of **RESTful APIs and microservices**, partnering with cross-functional teams to elevate responsiveness and infrastructure reliability.
- Deployed** secure, production-grade **financial APIs** for foreclosure and recovery workflows using **Node.js, Express, and PostgreSQL**, reinforcing compliance and ensuring data integrity.

Software Developer

TechCiti Technologies Private Limited

Jan '21 — Jun '21

- Engineered** a **full-stack web application** using **React.js** and **Node.js (Express)**, collaborating with cross-functional teams to deliver features efficiently through agile development cycles.
- Crafted** responsive **UI components** with **React.js** and **Bootstrap**, while implementing backend services with **Node.js, Express, and MongoDB** to ensure seamless data flow across **web and mobile platforms** on **GCP and Azure**.
- Orchestrated** scalable **RESTful APIs** and **MongoDB schemas**, establishing **CI/CD pipelines** with **GitHub Actions** to automate deployments and improve release consistency across teams.

SKILLS

Programming Languages : JavaScript, TypeScript, Python, C++, Java, Go, C

Frontend Development : React.js, Redux, HTML, CSS, Bootstrap, REST APIs, Tailwind css, Figma

Backend Development : Node.js, Express.js, RESTful APIs, Microservices, API Integrations, Automation, Spring Boot

Database & Cloud : MongoDB, PostgreSQL, MySQL, SQL, AWS, Google Cloud

Tools & Technologies : Docker, Git, CI/CD, Github action, Postman, Apache Kafka, Apache Airflow

Relevant Skills : Web Development, Agile, Infrastructure, CI/CD, Batch Jobs

EDUCATION

Master's in Computer Engineering, Syracuse University

Aug '23 — May '25

TECHNICAL PROJECTS

AI-Powered Job Application Tool

Jun '25 — Present

- Developed **frontend** dashboards and **integrated APIs** for an **AI-driven platform** that parses resumes, matches jobs, and **auto-generates tailored applications using LLMs**, improving accuracy and efficiency.

IoT-Based Smart Parking System

Jan '25 — May '25

- Engineered Python + SQL backends** with **AWS IoT Core** and **Dockerized deployments**, enabling **real-time parking analytics** and optimized resource utilization.

TechNERD

Sep '24 — Dec '24

- Implemented** a **React-based interface** and **Spark-powered NLP pipeline** to analyze community engagement data, achieving **high accuracy** in predictive performance models.