

# RAJ SUDHARSHAN VIDYALATHA NATARAJAN

San Jose, CA • [sudharshann05@gmail.com](mailto:sudharshann05@gmail.com) • +1 (408) 549-6981 • [linkedin.com/in/sudharshann05/](https://www.linkedin.com/in/sudharshann05/) • [GitHub](https://github.com/sudharshann05) • [rajs.dev](https://rajs.dev)

## SUMMARY

Experienced software developer with a strong background in backend development and cloud technologies. Detail-oriented and dedicated professional with proven problem-solving, critical thinking, and analytical abilities. Proficient in algorithm development, data structures, and object-oriented programming. Effective at partnering and multitasking in fast-paced environments to deliver innovative, reliable solutions.

## TECHNICAL SKILLS

**Programming Languages:** Python, Java, JavaScript, Dart, HTML5, CSS

**Frameworks/Libraries:** Django, Flask, React, Flutter, NumPy, Pandas, Scikit, Matplotlib, Pygame

**Databases:** SQL Server, PostgreSQL, MySQL, MariaDB, SQLite, Supabase, AWS RDS, Aurora, Redshift, Firestore

**Cloud:** AWS (EC2, Lambda, SQS, API Gateway, CloudWatch, Glue, Data Pipeline), Firebase

**Tools & Others:** JSON, REST API, OAuth, JWT, Git, Unit Testing, JIRA, BMC Remedy, Power BI, Docker, Gunicorn

## CERTIFICATIONS / ACHIEVEMENTS

- [AWS Certified Solutions Architect – Associate](#) Validity: July 2020 – July 2023
- Won 2<sup>nd</sup> place at Google DSC Hackathon hosted by Northeastern University.

## EXPERIENCE

### Python Developer | E2 Infosystems

August 2021 – December 2021

- Spearheaded a platform migration project, leading a team of three and achieving a **75% improvement in site performance and response time**.
- Migrated PHP websites to **React** and **Django** frameworks and integrated **REST APIs** for seamless operation, resulting in improved efficiency and user experience.
- Proposed, deployed, and delivered three critical customer features, including an **innovative auto-assigning sensor device feature**, in four months, boosting customer satisfaction and retention.

### Software Developer | Wipro Technologies

May 2019 – November 2020

- Collaborated with cross-functional teams to promptly resolve complex issues, ensuring availability and reliability of mission-critical applications.
- Performed successful **software patches and upgrades on mainframe**, eliminating security vulnerabilities and enhancing **data protection** for banking clients.

## EDUCATION

**MS in Information Systems**, Northeastern University, California | GPA: 3.92

Expected December 2023

**BE in Electrical and Electronics Eng.**, SRM Valliammai Engineering College

April 2019

## PROJECTS

[DineQ](#), Tech Stack: Django Rest Framework, PostgreSQL, Geofencing, Google Maps API, Flutter, Square API February 2023

- Pioneered the development of an android app **DineQ**, a **comprehensive dining application** that enhances the dining experience with features like **virtual queue management**, **in-app ordering**, and a **digital tab**.
- Constructed a robust backend using the **Django Rest Framework** and **Square API** to **manage orders, invoices, menus, and inventory**, complemented by an intuitive and user-friendly **Flutter** frontend.
- Incorporated **geofencing technology** and **Google Maps API** for efficient restaurant discovery and queue management, backed by powerful **geolocation** system using **PostGIS** for sophisticated location-based querying.

[Low Latency Cloud Data Pipeline](#), Tech Stack: AWS Lambda, Redshift, SQS, CloudWatch

February 2023

- Built a scalable and efficient **serverless cloud-native data pipeline** using Python and AWS, with real-time updates and **proactive monitoring with CloudWatch** for increased reliability and minimal downtime.
- Created a low-latency reporting solution featuring **real-time dashboard filter adjustments**, guaranteeing near-instant data availability and responsiveness. Streamlined decision-making for stakeholders and executives, leading to improved business outcomes.

[TrailTrack](#), Tech Stack: Python, Flask, Supabase, Firebase, React

December 2022

- Developed a **real-time emergency reporting webapp** with a **location tracking feature**, allowing parents to monitor child's location in real-time for added safety.
- Implemented a **live tracking system** to provide up-to-date information on **child's location**, ensuring parents always receive accurate information.