Goutham Reddy Kallem

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Education

California State University, Fresno   **Fresno, CA**
MS in Computer Science,   *Aug 2022 - May 2024*

Gokaraju Rangaraju Institute of Engineering and Technology   **Hyderabad, India**
BTech. in Computer Science and Engineering,   *Aug 2016 - Nov 2020*

Skills

Programming languages: Java, Python, C, C++, Typescript, JavaScript, Golang, PHP, SQL, MySQL, NoSQL, Matlab
Frameworks: NextJS, ReactJS, Angular, NodeJS, Spring Boot, Maven, MariaDB, Postgres, PostgreSQL, MongoDB, Express, Flask, Django, Docker, AWS, Artificial Intelligence, Machine Learning, Deep Learning, TensorFlow
Miscellaneous: Github, version control, CI/CD, GraphQL, Linux, Ubuntu, Bitbucket, Design patterns, System design, production support, REST, SOAP, JSON, HTTP, Shell, JBoss, BPMN, Jenkins, Eclipse, Visual Studio code, communication skills, application development, web development, Data Structures and Algorithms

Work Experience

CSM Aviation   **Fresno, California**
Software Developer   *Aug 2023 - Present*
- Spearheaded end-to-end development of a comprehensive aviation management system, utilizing NextJS for the frontend, NodeJS for the backend, and MongoDB for data persistence.
- Implemented responsive and user-friendly interfaces with NextJS, resulting in a 40% improvement in user engagement and satisfaction.
- Developed RESTful APIs using NodeJS and Express, facilitating seamless communication between frontend and backend services.
- Orchestrated deployment and management of the application infrastructure on AWS, ensuring 99.9% uptime and scalability.
- Collaborated with stakeholders to gather requirements and iterate on features, resulting in a product that exceeded client expectations.
- Implemented CI/CD pipelines, reducing deployment time by 60% and minimizing integration issues.

California State University - Fresno   **Fresno, California**
Research Assistant   *Jun 2023 - May 2024*
- Conducted comprehensive EEG functional connectivity analysis using diverse causality analysis techniques, advancing understanding of neural interactions in cognitive neuroscience.

Teaching Assistant   *Aug 2023 - May 2024*
- Guiding students in Software Development, teaching Git, UML, software design, best coding practices, and agile methodologies.

Development Bank of Singapore (DBS)   **Hyderabad, India**
Full stack Developer   *Jun 2020 - Aug 2022*
- Worked in Loans department utilizing Agile Scrum Methodology and Test Driven Development (TDD), ensuring the delivery of high-quality applications for the automation of business processes workflow such as Loan Creation, Disbursement, Rollover and Repayment.
- Delivered a complicated process which splits and merges a Loan by engaging in the end-to-end analysis, design, implementation and testing phases, resulting in 80% faster processing of transactions .
- Excelled in user-centered development, translating user requirements from user stories in Jira into a product, based on customer needs by maintaining excellent CRM.
- Developed front-end Single Page Applications (SPA) for a banking process called batch processing for Taiwan code-base using Angular, Bootstrap, TypeScript, CSS, HTML and BPMN, achieving a 30% reduction in manual workload of bank employees.
- Implemented RESTful API as an independent service for payments by applying various object-oriented designs, data structures, and multi-threaded concepts in Spring microservices architecture environment, which reduced the time of loan disbursement by 10x.
- Streamlined frontend fields and backend APIs to database configurations which uses Hibernate for Database Persistence, resulting in a 5x improvement in system speed in a highly dynamic production environment and eased the workload of fellow developers.
- Contributed to the team's practices and culture by leading code review, automating developer workflows, facilitating technical documentation, and promoting knowledge sharing within the team.

Achievements and Projects

- **Super Techie**
  - Awarded at DBS for developing a payments API for loan disbursement.
- **Winner of DBS hackathon**
  - Worked and led an end-to-end investment recommendation project with a user-friendly UI and a database, culminating in an email to users with a detailed monthly payment breakdown to optimize savings.
- **Grand Finale of Smart India Hackathon (SIH)**
  - Developed a ride comfort measurement model/project primarily using K-means Clustering on unsupervised data.