PREETI GOEL

I am an ambitious Software Engineer with over three years of
experience | (213) 272-5471 | preetigo@usc.edu | https://github.com/preetiusc | linkedin.com/in/preeti-goel-5336b2199

PROFESSIONAL EXPERIENCE

SDE Intern, Amazon Payments June 2024-August 2024
Amazon, Seattle, Washington

- Re-designed and implemented a scalable error-handling framework leveraging React and REST APIs, resulting in reduction in exception-handling code and a 25% decrease in debugging time through standardization
- Executed a context-specific UI error messaging system using React and REST APIs, replacing generic messages and increasing Disbursement Success rate by 30%, while demonstrating attention to detail and effective problem-solving
- Audited existing error management system, resolving critical vulnerabilities and cutting down unhandled exceptions by 20%

SOFTWARE ENGINEER April 2021-December 2022
MakeMyTrip Pvt. Ltd, India's top Online Travel & eCommerce

- Led architectural design of the Group Booking project through cross-functional collaboration, implementing reusable React components and optimizing state management with Redux, achieving a 4.5-star rating and led to 30% revenue increase
- Enhanced backend performance by executing Go micro-services with Protobuf, resulting in a 50% increase in data processing efficiency and a 30% boost in application performance, supporting over 100K concurrent users
- Boosted development efficiency by 30% and accelerated project load times by 25% by merging MMT and GI backends with Spring Boot, translating Go to Scala and C++, creating a unified backend through collaboration and Agile methodologies
- Implemented Grafana for monitoring, reduced system bottlenecks by 30%, boosted efficiency, and led code reviews
- Handled on-call support, resolving live incidents, applying quick fixes, collaborating with cross-functional teams for stability

SOFTWARE ENGINEER INTERN January 2020-March 2021
MakeMyTrip Pvt. Ltd, India's top Online Travel & eCommerce

- Spearheaded migration of Android application from Java to Kotlin, collaborating with product managers and design teams to align technical upgrades with business goals, resulting in improved code readability and application performance
- Redesigned user review section with cohort segmentation, boosting user engagement by 30% due to relevant content
- Implemented unit tests using Jest, increasing code coverage by 20% and ensuring robustness of UI components

EDUCATION

University of Southern California January 2023-December 2024
Master of Computer Science in Computer Science
Coursework: Analysis of Algorithms, Applied Natural Language Processing, Advanced Mobile Devices and Game Consoles, Web Technologies, Foundations of Data Management, Computer Networking, Operating Systems

Chitkara University Institute of Engineering and Technology April 2021
Bachelor of Engineering in Computer Science

TECHNICAL SKILLS

Languages (C, C++ (OOP), JAVA (Advanced), Python, Rust, Go, Kotlin)
Front-end Development (HTML5, CSS, JavaScript, TypeScript, jQuery, Bootstrap, Angular 7, React.js, Redux, Android, SwiftUI)
Back-end Development (Spring Boot, NodeJS, Flask, Hibernate, Apache Kafka) | Cloud Computing (AWS, GCP)
Data Science (PyTorch, Natural Language Processing, Machine Learning, TensorFlow, Keras, NLTK, Pandas)
Databases (MySQL, Oracle 11g, Couchbase, Redis, MongoDB) | API architecture (gRPC, REST services, GraphQL)
Version Control (Git) | Containerization (Docker, Kubernetes) | Testing Frameworks (Mockito, JUnit, Jest)

ACADEMIC PROJECTS

BlogPost - A Blog Website

- Designed and developed a scalable blogging platform utilizing Node.js, Express.js, React, PostgreSQL, and MongoDB, enabling seamless CRUD operations and improving post-creation latency by 30%, leading to a 40% increase in user engagement

Sentiment Analysis - Amazon Reviews Sentiment Classifier

- Developed a machine learning pipeline to classify Amazon reviews into positive or negative sentiments using Python, NLTK, and scikit-learn. Integrated deep learning models with TensorFlow and Keras for improved accuracy, leveraging Pandas for data preprocessing and analysis