APOORV LODHI

Software Engineering Intern

Chicago, Illinois

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EDUCATION

University of Illinois at Chicago, *MS in Computer Science* | Chicago, USA   GPA: 4.0 / 4.0   May 2026
National Institute of Technology, Bhopal, *B.Tech. in Computer Science* | India   GPA: 7.8 / 10   May 2022

Courses: Computer Algorithms | Distributed Systems and Objects For Cloud Computing | Artificial Intelligence | Machine Learning | Computer Vision | Object oriented languages and environment | Database Management Systems

EXPERIENCE

CARS24, *Software Development Engineer - 1 (Backend)* | Bangalore, India   April 2023 - May 2024
- Spearheaded the creation of a DIY KYC verification workflow with a team of 4, decreasing verification time by 80% and elevating user experience, leading to a 35% improvement in customer retention rates.
- Engineered a bulk uploader system for CSV files, enabling instant import of thousands of leads; enhanced sales operations, reducing data entry time by 70% and boosting lead conversion rates by 15%.
- Optimized the layout of the Sales CRM Panel, enhancing intuitiveness and reducing task completion time for Car Advisors by 35%, increasing operational efficiency.
- Written clean code, performed code-level maintenance of microservices, and monitored alerts using Datadog, resulting in a 20% reduction in system downtime and a 15% improvement in response time to critical issues.

OLA Electric, *Software Developer - 1 (Backend)* | Bangalore, India   July 2022 - April 2023
- Took ownership for building a scalable and resilient OTA-Notification feature to notify customers of the status of Move OS 3 update irrespective of their locations.
- Liaised a system for Diagnostic App to send custom triggers to scooters, improving diagnostic accuracy by 25%.
- Designed and refined architecture to handle campaigns that send software updates to 100k+ scooters and automate failure-handling and track analytics.
- Written Unit test cases for using Junit5 and Mockito with 80% test coverage.
- Logged and coded intricate software changes based on precise design specifications, resulting in a 30% increase in application performance and user satisfaction.

OLA Electric, *Software Development Engineer Internship* | Bangalore, India   February 2022 - July 2022
- Reduced the DB calls by almost 50% without affecting the functionality of the service thus reducing cost of operations.
- Introduced global timestamp for expiring OTP right after generation for a pre-existing microservice, reducing OTP-related errors by 40%.
- Innovated an advanced de-serializer for Kafka data streams, which empowered the Vehicle software team to resolve issues 30% quicker and conduct comprehensive data analysis, improving operational performance by 20%.

SKILLS

Languages	Java, C, C++, JavaScript, HTML, CSS, SQL, Python, R, Go, Golang
Database and frameworks	Spring Boot, MySQL, MongoDB, Flutter (Android, iOS)
Cloud Technologies	Redis, Kafka, Google Cloud, Amazon Web Service (AWS), Amazon S3, Docker
Others	Data structures and algorithms, REST APIs,

PROJECTS

Twitter Sentiment Analysis (Python)   May 2024 - June 2024
- Designed and implemented an information retrieval and classification system for sentiment analysis on Twitter
- Crawled tweets on user's timeline from Twitter API, and extract JSON responses using Requests module
- Cleaned, parsed and segmented tweets content; counted most frequent words and hashtags associated with each emotion

Social Media Application   July 2022 - August 2022
- Developed microservices for a social media platform using Docker and Kubernetes, with services for user management, posts, comments, and likes.
- Implemented containerization and orchestration to ensure efficient and scalable deployment of services.

E-commerce Platform   March 2020 - September 2020
- Developed a full-stack e-commerce platform using React, NodeJs, Express, and MongoDB, featuring user authentication, product listings, shopping cart, and payment integration.