Niharika Deshmukh

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SUMMARY

Highly motivated Computer Science graduate with 2 YOE as a Software Engineer(SDE). Passionate about web technologies, skilled in Java and Spring Boot. Proven track record in optimizing and delivering high-quality, scalable solutions.

EDUCATION

University at Buffalo, The State University of New York   Buffalo, NY
Master of Science in Computer Science. GPA - 3.71/4   *Aug. 2022 – Expected Dec. 2023*
Courses: Distributed Systems, Database Systems, Analysis of Algorithms, Blockchain, Reinforcement Learning

College of Engineering Pune   Pune, India
Bachelor of Technology in Computer Science. GPA - 7.15/10   *Aug. 2016 – May 2020*
Courses: Data Structures, Operating Systems, Computer Networks, Artificial Intelligence, Web Services And Technology

TECHNICAL SKILLS

Languages: Java, Python, C, C++, SQL, GoLang, JavaScript, Solidity, HTML/CSS
Frameworks: React, Node.js, Angular, JUnit, Spring Boot, CodeIgniter
Databases and Cloud: MySQL, MongoDB, PostgreSQL, Redis, Hive, Amazon Web Services, Azure
Technologies: Elasticsearch, Grafana, Kafka, Restful API Development, Object-Oriented Programming, Firebase, Kubernetes, Microservices, Hibernate, Maven, JSON, TCP/IP,Git, Docker, Postman, Jira, Figma, Jenkins.

EXPERIENCE

OYO Rooms   Bangalore, India
Software Development Engineer I   *Aug. 2020 – July 2022*

- Led development of a color coding feature in internal wallets using Java, enabling instant wallet refunds for customers, resulting in a 15% improvement in average refund turnaround time.
- Collaborated with four cross-functional teams to integrate the Stripe payment gateway into payments microservice leveraging Java, enabling seamless payment processing through virtual cards and card terminals.
- Spearheaded an initiative for a comprehensive revamp of a Java-based payments microservice, focusing on optimizing p99 of a booking creation API and reducing booking failures by 10%.
- Automated ticket assignment and email notifications within a Java Spring Boot application for ticket management, improving a first response time and eliminating manual intervention in ticket assignment.
- Engineered REST APIs to onboard users on a ticketing tool for streamlining tool adoption as a part of a cost-cutting project leading to an easy adoption and saving $50000 per year.
- Executed a stability initiative by configuring liveness and readiness probes to enhance health checks and by integrating APM for better debugging and monitoring across 20 Java microservices.
  Tech Stack: Java, Spring Boot, Postgresql, MongoDB, Agile, Git, Jira.

VidyarthiMitra   Pune, India
Intern - Web Developer   *May. 2019 – June 2019*

- Developed a rank predictor querying complex data sets within seconds to predict a suitable college for a particular student based on his/her preferences in Python and PHP.
  Tech Stack: Python, PHP, MySql, HTML, CSS, Postman.

PROJECTS

Taco-DB | *Cpp*

- Created a single-threaded Relational Database Management System in bottom-up methodology.
- Implemented crucial components of RDBMS including file interface, buffer manager, schema, record layout, data layout, access methods, heap file(table interface), b-tree index, query processing, and query optimization.

Decentralized Domain Name Marketplace | *Solidity, ReactJS, AntDesign, Figma*

- Developed an ERC721-compliant decentralized application on a blockchain network for managing domain names.
- Designed a feature to tokenize domain names for simple ownership transfer and added features to list domain names for sale and auction, giving users access to a decentralized marketplace for domain name transactions.

Fault-Tolerant Distributed Key-Value Storage | *GoLang*

- Built a reliable distributed key-value storage system. Implemented the Raft Consensus algorithm to elect leaders and replicate logs, achieving consensus in leader election and log replication for a system consisting of five nodes.