SREEHARSHA RAVEENDRA

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EDUCATION

Master of Science in Computer Engineering　　　　　　　　　　　　　　　December 2023
Arizona State University, Tempe, AZ　　　　　　　　　　　　　　　　　　　　**GPA: 3.3 / 4.0**

Bachelor of Technology in Electronics and Communications Engineering　　　　May 2020
National Institute of Technology Karnataka, Surathkal

TECHNICAL SKILLS

Proficient: Java (Spring Boot, Spring Webflux, Hibernate, JPA), TypeScript (Angular, Next.js), JavaScript (Node.js, Express, React), Prisma, Python (Flask), SQL (PostgreSQL, MySQL), NoSQL (MongoDB), HTML, CSS (Bootstrap, Tailwind)
Exposure: AWS (Lambda, S3, EC2, SQS), Azure (SQL, Data Factory), Docker, Kubernetes, Jenkins, Linux/Unix
Applications: VSCode, IntelliJ, Copilot, Postman, Jira, Trello, Balsamiq, Figma, WordPress

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PROFESSIONAL EXPERIENCE

Full-Stack Developer, *Alltech Consulting Services Inc, USA*　　　　　　　Mar 2024 - present
- Engineered RESTful APIs for an E-commerce platform with a microservices architecture using Spring.
- Bolstered API security with JWT and OAuth in Spring Security, reducing unauthorized access attempts by 95%.
- Streamlined deployment using Docker for containerization and configured Kubernetes, reducing time-to-market.
- Enhanced user experience by developing responsive UI components for forms in Angular that consume RESTful APIs.

Associate Software Engineer, *DXC Technology, Bengaluru, India*　　　　　　2021 - 2022
- Analyzed design specifications and technical requirements of cloud solutions for consumer and retail industries.
- Utilized Python and Databricks SQL connector to develop data pipelines, automating workflows between Azure services.
- Loaded data into AWS Redshift clusters and optimized SQL queries to extract actionable insights about retail sales.
- Delivered secure, scalable cloud-based data warehousing solutions on Azure and AWS platforms to enable analytics.

RELEVANT PROJECTS

Reddit Client　　　　　　　　　　　　　　　　　　　　　　　　　　　　　2024
- Developed responsive UI with Typescript, Next.js and Tailwind CSS, creating an efficient Reddit API consumer.
- Leveraged React Server components for key UI elements, improving performance and user experience.
- Implemented seamless routing system, enhancing navigation between feeds, subreddits and posts.
- Integrated streaming and loading skeletons, maintaining UI responsiveness during slow data requests.

E-Commerce Microservices　　　　　　　　　　　　　　　　　　　　　　　2024
- Designed and implemented modular microservices using Java and Spring Boot, ensuring system scalability.
- Built RESTful APIs integrated with MongoDB and MySQL for seamless inter-service communication and data flow.
- Implemented Swagger UI with OpenAPI, documenting API functionality and improving developer experience.
- Utilized JWT and Keycloak for authentication and authorization, strengthening security across all services.

Photo Caption　　　　　　　　　　　　　　　　　　　　　　　　　　　　2024
- Developed RESTful API endpoints using Node.js and TypeScript, facilitating authentication, image upload and captioning.
- Utilized Postgres and Prisma for efficient data storage and retrieval, ensuring data consistency and scalability.
- Integrated JWT into API for secure user authentication and authorization, enhancing platform security.
- Implemented caching using Redis to optimize API response times by 40% for frequently accessed data.

LEADERSHIP EXPERIENCE

Vice President, **Brand Master,** *IEEE Student Branch at ASU, Tempe, AZ*　　August 2022 – December 2023
Volunteer, *Feed My Starving Children, Mesa, AZ*　　　　　　　　　　　　　November 2023
Volunteer, *IEEE at CES 2022, Las Vegas, NV*　　　　　　　　　　　　　　　January 2022