

Sreeram K

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EDUCATION

Masters in Computer Science

University of North Carolina, Charlotte · Charlotte, NC

Bachelors in Information Technology

Vasavi College of Engineering · Hyderabad, India

SKILLS

Front-End Development: React, JavaScript, HTML, CSS, React

Database management: SQL, Oracle, MySQL, MongoDB

Back-End Development: Java, Spring, Hibernate, JSR-RS, Junit, SLF4J

Containerization: Docker, Kubernetes, Platform9, ECS, EKS, Openshift, Cloud Foundry Bucket)

Object-Oriented Design and Development

Certifications: AWS CSA - Associate, Pega CSA

Cloud Platforms: AWS, Firebase

Version Control: Git, Maven, SCM

EXPERIENCE

Software Engineer

LTI, Navi Mumbai, India

August 2019 - July 2021

- Spearheaded front-end development, leveraging React and Java technologies to create robust web applications.
- Led the development of a Java Spring application, emphasizing optimized data processing for large-scale analytics, seamlessly integrated with React components.
- Designed and implemented a REST API application for streamlined client onboarding, utilizing React for dynamic interfaces and Java Spring for secure communication.
- Implemented advanced authentication and authorization mechanisms, enhancing API security and enforcing user access control in alignment with industry standards.
- Ensured compliance with highly regulated financial services standards throughout the development lifecycle.

Software Developer

ADRIN, Hyderabad, India

August 2018 - May 2019

- Developed an IoT device for NPNT compliance in drone operations, integrating Pixhawk Flight Controller, NeoM8N GPS module, Raspberry Pi, MAVLINK, and IPV4 protocols.
- Created a Map Control interface using Python and Java for real-time drone monitoring, enhancing GUI capabilities for effective data visualization.
- Implemented Google Cloud Firebase for efficient telemetry data storage, enabling seamless real-time tracking and location display within the Map Control.
- Spearheaded the development of a client-server application, utilizing client/server TCP/IP for precise drone command transmission and monitoring within predefined geo-fence areas.
- Contributed to the continuous evolution of NPNT compliance systems, staying abreast of regulatory developments in the drone industry.
- Demonstrated expertise in open-standard technologies, digital platforms, and real-time monitoring solutions for unmanned aerial vehicles.

PROJECTS

Online Bookstore

- Spearheaded the development of a responsive online bookstore, demonstrating advanced Java programming skills.
- Implemented secure user authentication and seamlessly integrated payment gateways for enhanced transaction processing reliability.
- Utilized React to engineer interactive and responsive Single Page Applications (SPAs), adhering to SOLID principles in Java for a scalable and modular codebase.
- Optimized server-side performance through asynchronous programming and implemented an efficient Redis-based caching mechanism. Authored comprehensive technical documentation detailing system architecture and API specifications, ensuring clarity for ongoing development and collaborative efforts.

MovieHub App

- Developed a user-friendly movie review web app using React for the frontend and Spring Boot for the backend, showcasing proficiency in modern web technologies.
- Designed an efficient MongoDB Atlas database schema, highlighting strong database design expertise.
- Managed backend operations, including CRUD functions and API endpoints with Spring Boot, emphasizing experience with Java and Spring.
- Created a responsive React frontend, ensuring an optimal user experience for a feature-rich movie review platform.
- Demonstrated the ability to design and implement user-friendly applications tailored to modern development standards.

Python Data API for Order Processing

- Developed a Python REST API for order processing with four key endpoints: Place Order, Order Preview, Product Search, and Inventory Retrieval, enhancing data functionality.
- Utilized Python libraries for efficient data transformations, ensuring smooth handling of data from various sources.
- Ensured strict adherence to data format specifications, translating data between formats for seamless data integration.
- Integrated user-defined functions to preprocess and enrich data before interacting with the API, ensuring data accuracy and quality throughout the data pipeline.