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Profile Summary

Presented Full Stack Developer with knowledge of Python, JavaScript, and Java. Proven ability to create high-performing web apps with AngularJS, Node.js, and React. adept at managing databases using MongoDB and PostgreSQL, and boosting system dependability with AWS and Docker. knowledgeable about utilizing headless CMS with GraphQL, establishing OAuth and JWT-based security, and streamlining CI/CD workflows. adept at managing data migration initiatives and increasing user satisfaction and application performance.

Skills

Programming Languages: Java, Python, JavaScript, TypeScript, Kotlin, SQL, HTML/CSS
Frameworks & Libraries: AngularJS, React, Redux, Node.js, Express.js, Flask, jQuery, Spring, GraphQL
Testing & Tools: Junit, Mocha & Chai, Postman, Open API (Swagger)
Databases: Oracle, PostgreSQL, MongoDB
Developer Tools: Git, Maven, Visual Studio Code, AWS, Android Studio
DevOps & Automation: CI/CD Pipelines (Jenkins, GitHub Actions) Docker, Terraform, Automated Testing (Jest, Cypress), Monitoring & Logging (AWS Cloud Watch, ELK Stack)

Professional Experience

Full Stack Developer | Regions Financial Corporation **February 2024 – Present**

- Designed a multi-layer network application, incorporating DevOps practices for continuous integration and deployment (CI/CD) pipelines. This approach bolstered security measures, reduced server load, and resulted in a more robust and scalable system.
- Optimized system components using Node.js and React.js, leveraging Docker for containerization and Jenkins for automated CI/CD. These improvements led to substantial enhancements in application speed and performance, providing a smoother user experience.
- Mentored junior developers by introducing pair programming techniques and integrating code review practices using Git and automated testing frameworks (e.g., Jest, Mocha). This fostered skill development, a collaborative environment, and increased team efficiency.
- Deployed backend APIs using Express.js, and utilized Kubernetes for orchestration and scaling. This facilitated better interoperability among distributed nodes, increased data processing speed, and improved system responsiveness.
- Created and integrated redux middleware and employed automation testing tools like Cypress for end-to-end testing. This streamlined API responses, reduced response time, and enhanced user experience by providing faster page loading and smoother interactions.
- Designed and implemented an API gateway with advanced security protocols and monitoring tools such as Prometheus and Grafana. This managed and streamlined inter-service communication, effectively reducing latency and improving the efficiency of various system components.
- Implemented server-side rendering with React.js and utilized automated performance testing tools (e.g., Lighthouse, WebPageTest). This resulted in significantly faster page load times, improved overall performance, and enhanced user experience.
- Applied Agile design principles throughout the project lifecycle, supported by Jira for project tracking and automation tools for continuous testing (e.g., Selenium). This enabled the team to complete projects ahead of schedule, ensuring timely delivery and improved project management efficiency.
- Transitioned the architectural framework to a micro services-based structure, incorporating Terraform for IaC and Ansible for configuration management. This transition reduced operational costs, increased system uptime, and enhanced application reliability and scalability.

Mern Stack Developer | Connectial Infosolutions Pvt Ltd **June 2020 – December 2022**
Client: PayPal Inc.

- Maintained Confidential's security dashboard, focusing on coding, maintenance, support, and bug fixes for both back-end and client-side issues. Implemented CI/CD pipelines using Jenkins and Docker to automate deployment processes and ensure rapid delivery of updates.
- Designed dynamic, responsive webpages using HTML5, CSS3, SASS, Bootstrap, JavaScript, and React/Redux. Employed Webpack for module bundling and optimization, and utilized automated testing tools like Jest and React Testing Library to ensure code quality and functionality.
- Utilized Highcharts to display data in front-end graphs and created reusable components for React.js to handle chart rendering across the application. Integrated automated end-to-end testing with Cypress to validate chart functionality and user interactions.
- Upgraded Highcharts to version 6.1 and Node.js to version 8.11.3, ensuring compatibility and improved performance. Used Docker to containerize the application, manage dependencies, and employed automated performance testing tools like Lighthouse to monitor and optimize application performance.
- Developed Single Page Applications (SPAs) using React/Redux and Webpack, leveraging Git for version control and collaborating with the team through code reviews and continuous integration processes to maintain code quality and consistency.
- Implemented Responsive Web Design with Bootstrap, CSS3 media queries, and glamorous, ensuring compatibility with iOS and Android devices. Utilized BrowserStack for cross-browser testing to validate responsive design across multiple devices and platforms.
- Added dynamic tooltip functionality using react-bootstrap and react-tooltip, and built component navigation with react-router for managing URL parameters and integrating third-party packages. Incorporated automated UI testing with Selenium to ensure consistent behavior of interactive elements.
- Parsed CSV files in controllers and displayed data in the front-end using React.js. Developed ETL pipelines with Apache Airflow to automate data extraction and integration processes, ensuring seamless data flow from backend systems to the front-end.
- Utilized Mongoose to write schemas and models for MongoDB, ensuring seamless data integration for front-end use. Implemented infrastructure as code (IaC) with Terraform to manage and provision database resources efficiently.

Projects

SnapShop - Full Stack E-commerce Website (MERN Stack)

- Constructed a fully functional e-commerce site using MongoDB, Express.js, React, and Node.js, complete with a user-friendly interface and secure backend.
- Incorporated Redux Toolkit for advanced state management, ensuring smooth and responsive application behavior.
- Engineered a RESTful API for efficient handling of products, users, and orders, enabling robust CRUD operations.
- Set up JWT for secure authentication, Stripe for payment processing, and Cloudinary for image management.
- Introduced site features like search, filters, pagination, and established a comprehensive admin dashboard for data insights, management.
- Resolved complex programming challenges, enhancing the ability to troubleshoot and optimize full-stack development processes.

SwiftShareCloud

- Built a secure file-sharing web application with Python and Flask, integrating AWS services for file storage and metadata handling.
- Utilized Web Sockets for real-time notifications and updates, enhancing the user experience with instantaneous feedback.
- Automated file processing and distribution with AWS Lambda, enhanced user notifications via SES and SNS, and ensured robust security and access control with IAM.
- Leveraged AWS S3 for secure file storage, DynamoDB for efficient metadata management, and RDS for relational data handling
- Employed AWS CloudWatch for performance monitoring, facilitating optimal application reliability and user experience.

Education

UNIVERSITY OF ALABAMA, Birmingham, AL **January 2023 – April 2024**
Masters in computer science

GITAM INSTITUTE OF TECHNOLOGY, Visakhapatnam, INDIA **June 2017 – March 2021**
Bachelor of Technology, Major in Electronics, and communication