VARSHIK CHEBROLU

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Summary

Software Engineer with 3 years of experience in developing enterprise-level applications across multiple industries. Proficient in full-stack development, with a focus on front-end design and implementation utilizing React, Typescript, Node JS, Java, SQL, and Spring boot. Worked on multiple projects by coordinating with cross-functional teams. Demonstrated skill in web applications, web services and problem-solving. Well-versed in Agile methodologies, with a strong target on creating user-friendly and scalable applications.

Skills

Programming Languages: JavaScript (ES6), Java, Typescript, Kotlin, Python, C#

Frontend Technologies: HTML5, CSS3, React, Redux, NestJS, Angular, Bootstrap, MDB React, Material UI

Backend Technologies: Spring boot, Node JS, Maven, Restful APIs, Sequelize, JPA, JDBC

Databases: MySQL, Microsoft SQL Server, PostgreSQL, MongoDB

Tools: Junit, Mockito, Git, Jira administrator, Jenkins, VS Code, IntelliJ, Postman

Cloud: AWS, EC2, Elastic Beanstalk, S3, EC2, Cognito, Docker

Work Experience

Spectra Media Collective — Oct 2022 – Present
Software Developer — Newyork, NY
- Delivered 40% of UI components across 5 pages using ReactJS, Typescript, HTML, interpreting client requirements for wireframes and user flows.
- Implemented and tested RESTful API endpoints for 10 key features, including email invitation, using Typescript, S3 bucket API, and Sequelize.
- Leveraged AWS services, including EC2 instances, S3 buckets, and Cognito for secure and scalable cloud infrastructure, enhancing application performance.
- Automated the application deployment process by creating CI/CD pipeline using Netlify and Git, reducing manual efforts and deployment errors by 20%.

Clearwater Analytics — Jun 2022 – Aug 2022
Software Developer Intern — Boise, ID
- Developed reusable components of a customizable UI for internal version manager application leveraging expertise in Angular, Typescript, HTML and CSS.
- Delivered the minimum viable product within 6 weeks by actively participating in Agile development methodologies, including sprint planning, daily stand-ups, and retrospectives.
- Integrated organization level data with RESTful APIs and Bitbucket API for seamless data flow between the application and services.
- Adapted test-driven development approach, utilizing Karma and behavioral testing, and ensuring in 80% code coverage for the project.

Infosys Ltd. — Nov 2019 - Jul 2021
Full-Stack Developer — Hyderabad, India
- Collaborated with senior developers and UX designers to identify the business requirements by conducting user interviews and polls.
- Developed and integrated multiple elements of responsive e-commerce single page web application using React, JavaScript and NextJS for best user experience.
- Identified and optimized least used pages to improve user interactivity, ensuring the application's response time is below 3 seconds.
- Developed among team of 3 developers to design and implement RESTful API services using Java and Spring Boot for a travel itinerary website.
- Performed code reviews, utilized Git and code analysis tools for ensuring code quality, maintainability, and performance optimization.

Academic Projects

Automated Testing Approaches for Java Projects *[Java, Evosuite, Randoop, Software testing].* — Feb 2022
- Conducted a comparative study on 30 open-source small-scale Java projects using automation testing tools.
- Validated more than 500 test cases for all classes, evaluating results on time and speed.

Legan Chess *[React, JavaScript, Java, Object Oriented Design Principles]* — Sept 2021
- Designed a comprehensive Legan chess game utilizing object-oriented principles, minimizing the coupling between components.
- Developed user friendly chess interface using React, JavaScript and pieces movements in Java.
- Maintained real time interaction between the UI and services with less than 1 sec latency.

Education

Colorado State University — Aug 2021 – May 2023
Master of Science in Computer Science; GPA: 3.9 — Fort Collins, CO
Courses: Object Oriented Design, Machine Learning, DBMS, Software Process Evaluation

Certifications

- JavaScript certified- Hacker Rank
- LinkedIn certified Front-end developer (JavaScript and ReactJS)