SWAPNIL SHARMA

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Professional Summary

Professional FullStack Software Engineer, specialized in web applications development using JavaScript frameworks. Experienced in creating. maintaining and implementing source code that made up applications back-end functionalities and also in designing and developing user interfaces, testing, and debugging. Proven ability in optimizing web functionality that improves data retrieval and workflow efficiencies.

Work History

Software Engineer II Aug 2022 – Current
CaratLane (A Titan Company) **Mumbai, Maharashtra**

- Optimized DB queries and overall architecture to accommodate to increased traffic.
- Wrote a multithreaded migration script to move customer communication data to MySQL from MongoDB.
- Responsible for creating and maintaining flexible, accessible, and performant React components for caratlane.com
- Reduced the storage cost by **80%** by making the product image architecture serverless with S3 and Lambda.
- Wrote node packages to speed up S3 interaction. Node package performance improved by **50%** compared to existing packages.
- Reduced the image upload time by **20%** with the new serverless implementation.
- Engage with various open-source projects to move our solution forward.
- Formalize coding styles and patterns to improve code quality, review, and performance.

Software Engineer Nov 2020 – July 2022
Accenture Pune, Maharashtra

- Developed single page websites from scratch using **ReactJS/NodeJS/Express/HTML/CSS/JavaScript**.
- Maintain the agency's servers, VPC, and database.
- Improve the workflow of front-end related tasks via private and open-source contributions.
- Developed automation tools to reduce project cost and increase efficiency.
- Research of optimal solutions to deal with web apps for embedded devices using REST APIs.

Skills

Frameworks: ReactJS, Redux, JS(ES6+), HTML5, CSS3, SCSS, Spring (Boot, REST, MVC, JPA), AJAX, REST APIs, Framer-Motion (Animation), Recharts
Server-side JavaScript: Node.js, Express
Hands-on Experience: Git, npm, AWS (Compute, Storage, Network & Content Delivery), GitHub, Netlify, Postman, SOAP UI, Dynatrace, Splunk
Programming Languages: JavaScript (Intermediate) (ability to write mixins, partials, functions, etc.), Typescript (Basic), Java SE (Intermediate)
Experience with various database engine technologies such as Oracle, My SQL, MongoDB
RDBMS Development and SQL, Data Structures and Algorithm (HackerRank, Leetcode)
Experience with the standard tooling (Webpack, Babel, Prettier, VSCode, Intellij, etc.), Heroku
Experience developing aesthetic wireframes, UX flows, mock-ups, and prototypes using Adobe XD

Projects

InnoDB Clustering and Database Scaling for Enhanced Performance
Undertook a challenging project focused on optimizing database performance through the implementation of InnoDB clustering and database scaling techniques. This project aimed to improve the efficiency, reliability, and scalability of the database infrastructure to support the growing demands of the organization. This project not only enhanced my technical skills in database management and performance optimization but also showcased my ability to collaborate effectively in a multidisciplinary team.

AWS Lambda-based Image Resize System with S3 and MozJPEG
Spearheaded the development of a cutting-edge resize system aimed at increasing efficiency and optimizing image resizing operations. This project leveraged the power of AWS Lambda, Amazon S3, and the MozJPEG library to deliver a high-performance image resizing solution with superior compression capabilities. Implemented using the MozJPEG library, renowned for its superior image compression techniques. Leveraging its capabilities, I significantly reduced image file sizes while maintaining excellent image quality.

Certifications

Java Certification (**HackerRank**)	MySQL Intermediate Certification (**HackerRank**)
JavaScript Certification (**HackerRank**)	Accenture Certified MERN Stack Developer
React.JS Certification (**HackerRank**)	Accenture Certified Spring Boot Developer
JavaScript Algorithms and Data Structures (**freeCodeCamp**)	Accenture Java SE Certificate

Education

Bachelor of Engineering Jul 2020   7.6 CGPA
Madhav Institute of Technology and Science Gwalior

10+2 Apr 2016   84 %
Chavra Vidyapeeth Narsinghpur
Studied physics, chemistry, math, and computer science (Language C++)