Binish Rawal

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PROFESSIONAL SUMMARY

Experienced software engineer proficient in ReactJS, NodeJS, and MongoDB. With successful tenures in Germany (Stordis GmbH) and India (Tata Consultancy Services), I drive operational efficiency and enhance user experience.

PROFESSIONAL EXPERIENCE

Stordis GmbH   Stuttgart, Germany
Junior Value Driven Software Delivery Manager   (Nov 2023 – Mar 2024)

- Developed a custom network management solution using JavaScript, ReactJS, and NodeJS, significantly reducing manual task execution time by 30%.
- Architected a clean back-end system using NodeJS and Django, creating robust RESTful API endpoints with 65% test coverage to ensure scalability and maintainability.
- Optimized the user interface by implementing a responsive design using HTML5 and CSS, improving accessibility and delivering a polished visual experience.
- Integrated Neo4j GraphDB to streamline data retrieval, cutting 3 hours from the data mapping process through faster querying and more efficient data structuring.
- Built reusable front-end components with ReactJS, leveraging Redux for centralized state management, ensuring a consistent user experience across the application.
- Managed version control and CI/CD pipelines through GitHub, driving seamless team collaboration and efficient deployment processes.
- Conducted comprehensive performance testing and implemented security measures, ensuring optimal system functionality and robust data protection.

Stordis GmbH   Stuttgart, Germany
Junior Software Developer (Internship)   (Apr 2023 – Oct 2023)

- Developed a network management solution using JavaScript, ReactJS, and NodeJS, reducing manual task time by 30% through process automation.
- Designed a scalable back-end with NodeJS and Django, creating robust RESTful APIs with 65% test coverage for maintainability and growth.
- Optimized the front-end using ReactJS and Redux, ensuring efficient state management and a consistent user experience.
- Streamlined data retrieval with Neo4j GraphDB, reducing data mapping time by 3 hours through faster queries.
- Managed version control and CI/CD pipelines via GitHub, enhancing collaboration and automating deployments.

Tata Consultancy Services   Mumbai, India
System Engineer   (Dec 2018 – Jan 2022)

- Implemented a comprehensive monitoring system for NEFT, RTGS, and IMPS transactions using Linux commands, reducing transaction lapses by 50%.
- Formulated robust APIs for UPI transactions, boosting work rate by 10%.
- Enhanced efficiency by automating manual commands with Cron jobs, reducing memory allocation by 5%.
- Conducted workload assessments, reported bugs and errors, resulting in a 40% productivity.
- Optimized server downtime by configuring scripts for parallel loading in Oracle, reducing downtime by 4 hours.
- Developed a real-time transaction monitoring front-end using JavaScript and ReactJS, optimizing SQL query execution and integrating a Node.js back-end to deliver real-time transaction status updates.

TECHNICAL SKILLS

- **Programming Languages:**
  JavaScript, Python
- **Networking/Operating Systems:**
  Windows, MS Office, Linux Server
- **Frameworks and Tools:**
  ReactJS, Django, NodeJS, Postman, GitHub, Visual Studio Code, Bootstrap
- **Middleware/Database Products:**
  Neo4j (GraphDB), SQL, MongoDB, Oracle, Redis
- **Others:**
  HTML5, Docker, RESTful APIs, CSS

EDUCATION

- SRH Hochschule Heidelberg
  Masters of Science in Applied Computer Science (M.Sc.) 2021 – 2023
  Heidelberg, Germany

- Shah and Anchor Kutchhi Engineering College (University of Mumbai)
  Bachelor of Engineering in Information Technology (B.E.) 2015 – 2018
  Mumbai, India

PROJECTS

1. Social Gateway for Alumni using the MERN Stack

   - Spearheaded the creation of a Social Gateway platform for Alumni students, utilizing the MERN stack (MongoDB, Express.js, React.js, Node.js) to establish a comprehensive backend architecture that supports extensive alumni networking and collaboration features.
   - Introduced a sophisticated user interface design employing React.js and Bootstrap, ensuring a seamless, responsive experience across the platform, which includes functionalities for profile management, event notifications, job postings, mentorship opportunities, and interactive discussion forums.

2. E-Commerce Website using the MERN Stack

   - Engineered a responsive e-commerce platform utilizing the MERN Stack (MongoDB, Express, React.js, Node.js), incorporating a comprehensive API for user account management and shopping cart operations.
   - Developed and integrated both frontend and backend systems, including an administrative interface, ensuring seamless site management and optimal functionality across all devices.

3. Live Tracking of Order

   - Developed a live tracking application using Redis Database (NoSQL) and Node.js to provide real-time visualization of product orders.
   - Integrated a Map API to dynamically update coordinates (latitude and longitude) markers, showcasing the journey from source to destination.

4. E-Commerce Analytical Tool

   - Produced an E-commerce Analytics tool that analyzes total sold products on three different e-commerce sites using MongoDB and NodeJS.
   - The tool covers functionalities such as Best Selling Product, Best Rated Product, Most Discounted Product, Total Item Per Category, Most Popular Brand, etc.