GUNDEEP SINGH SALUJA

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SUMMARY

Dynamic Software Engineer with 2+ years of experience in developing AI-driven healthcare platforms and comprehensive full-stack solutions. Proficient in optimizing performance, ensuring compliance, and enhancing user engagement through innovative technologies and best practices.

PROFESSIONAL EXPERIENCE

Software Engineer, *Wipro*   01/2023 – Present | Remote, USA
- Orchestrated the creation of an AI-driven healthcare platform using Node.js (Express.js for the backend and React.js for the frontend), catering to a user base exceeding 500,000 individuals
- Executed a secure patient data handling system, ensuring HIPAA compliance and achieving zero breaches throughout the project's timeline
- Managed a MongoDB database hosting over 10 million patient records and optimized system performance by 35% through the strategic use of Redis for caching
- Engineered RESTful APIs to facilitate seamless data exchange, successfully managing an average of 200,000 daily requests between front-end and back-end services
- Implemented a containerized solution with Docker and Kubernetes, guaranteeing scalability and high availability of the healthcare application
- Leveraged AWS services (EC2, RDS, S3) for deployment, data management, and storage, maintaining an impressive uptime of 99.95% and ensuring efficient platform operation

Software Engineer, *Genpact*   12/2019 – 07/2021 | Chennai, India
- Developed and deployed a high-impact course management platform using advanced React techniques, integrating Node.js, Express.js, Docker, AWS Cloud Services, and Restful APIs for a comprehensive full-stack solution
- Led requirements analysis, integrating event calendars, donation forms, real-time updates, and email notifications, resulting in a 20% increase in user engagement, showcasing enhanced platform usability
- Integrated Node.js and Express.js with backend team, optimizing architecture and leveraging Docker and AWS Cloud Services for scalable, high-performance infrastructure
- Implemented Restful APIs to facilitate smooth communication between frontend and backend components, ensuring efficient data transactions and a cohesive user experience
- Orchestrated knowledge-sharing sessions, focusing on Express middleware best practices, enhancing the team's proficiency in fortifying security measures and mitigating vulnerabilities
- Translated complex business requirements into scalable solutions, showcasing a commitment to delivering exceptional results and staying abreast of the latest technologies and best practices in software engineering

RELEVANT PROJECTS

PetOpia| Link   02/2023
- Developed a comprehensive pet health management web application using NodeJS, React, and Firebase featuring medication tracking, vaccination records, and a vibrant community; it utilizes cron jobs, AWS, and Redis for a seamless user experience and cache management

Kid's Guardian | Link   11/2022
- Developed a parental monitoring application with live webcam feed using Python Tkinter for GUI, OpenCV for movement detection, and MySQL for data storage. Implemented video encryption and utilized Agile methodologies with JIRA for efficient project management

TECHNICAL SKILLS

Languages & Frameworks: JavaScript, TypeScript, Python, Java, HTML5, CSS3, React, Redux, Node.js, Django, ASP.NET, Flask, MVC, AJAX, Spring Boot, GraphQL, Express.js, jQuery, Bootstrap, Material UI, Next.js, RESTful APIs
Tools & Technologies: Git, GitHub Actions, VS Code, Docker, Heroku, AWS, Azure, Apache, Nginx, Postman, Kafka, CI/CD, Firebase, NoSQL (MongoDB), SQL (MySQL, PostgreSQL, Oracle), Redis, SOAP, Microservices, Tailwind, Agile

EDUCATION

Stevens Institute of Technology, Hoboken, USA   08/2021 – 05/2023
Master of Science, Computer Science | GPA: 3.7

Vellore Institute of Technology, Vellore, India   06/2016 – 05/2020
Bachelor of Technology, Computer Science and Engineering