Rushiraj Herma

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OBJECTIVE

Software engineer passionate about building a safer and more resilient digital world. With a strong foundation in software development and hands-on experience in complex systems, I aim to leverage my technical skills, collaboration, and problem-solving abilities to drive impactful projects in the technology field.

EXPERIENCE

Volunteer Web Developer   September 2024 – present
Decibel, New York, NY
- Redesigned and maintained the organization's website using a modern tech stack, including JS and PHP, resulting in a 12% increase in user engagement and improved site performance
- Implement SEO strategies and integrate Google Analytics to increase organic traffic and gather valuable insights for data-driven decision-making
- Collaborate with team members to develop new features that support concert promotion and fundraising campaigns, aiming to boost online ticket sales and donations

Graduate Assistant   March 2023 – May 2024
Stevens Institute of Technology, Hoboken, NJ
- Resolved over 300 student and faculty inquiries per semester, achieving a 95% satisfaction rate, by implementing a streamlined communication process
- Improved data accuracy by 20% through meticulous maintenance of academic records for over 2,500 students

PROJECTS

ResourceReserve
- Developed a sleek reservation system utilizing Node.js and Next.js for the backend, alongside Tailwind CSS for enhanced booking interactions, ensuring a seamless user experience
- Orchestrated seamless user authentication with Google provider through Firebase, bolstering security and ease of access for users
- Engineered the reservation logic enabling users to effortlessly reserve and cancel resources based on predefined conditions, enhancing the core functionality of the platform
- Leveraged AWS S3 for robust media storage, facilitating efficient management of images and videos within the application

TradeBridge
- Constructed TradeBridge development harnessing Node.js, Express, and MongoDB for a decentralized platform linking customers with service providers across trades, elevating user experience
- Integrated middleware for user authentication and profile management, ensuring secure access and tailored experiences for providers and seekers
- Added features like direct messaging and advanced filtering, optimizing communication and trade matching efficiency
- Ensured platform security and compliance by employing validation processes and XSS protection for seamless production readiness
- Configured Dockerfile for local hosting solutions through Docker, enhancing project accessibility and developer workflow efficiency

Forum Backend Server
- Implemented a backend server using Flask to manage user authentication, profile updates, and post operations for a web forum, ensuring secure data handling
- Integrated date/time range queries and full-text search functionalities, allowing users to efficiently locate posts based on specific criteria
- Architected user profile management systems, enabling seamless updates and retrieval of critical user metadata, such as email and username
- Developed and implemented functionalities for creating, reading, updating, and deleting posts, ensuring robust data management and secure operations

EDUCATION

Master of Science in Computer Science   May 2024
Stevens Institute of Technology, Hoboken, NJ

Bachelor of Engineering in Computer Engineering   July 2021
Gujarat Technological University, Ahmedabad, India

SKILLS

Languages and Frameworks: Java, Python, JavaScript, TypeScript, PHP, HTML, CSS, Tailwind, React, Next, Redux, Node, Express, Axios, jQuery, Ajax, REST API, Django, Flask

Databases and Data Processing: MongoDB, Firebase, MySQL, PostgreSQL, Redis, GraphQL, Hibernate, JPA

DevOps and Cloud Services: Docker, AWS IAM, EC2, S3, Git, GitLab CI/CD, Bash, Linux