Param Shah

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PROFILE

Experienced Full Stack Developer with a Master's in Computer Science, specializing in software engineering and database systems. Proficient in developing and deploying scalable applications with a strong emphasis on security and performance.

EDUCATION

Master of science, Computer Science,   08/2023 – 05/2025 | Arlington, TX
The University of Texas at Arlington 🔗
- GPA: 3.5/ 4.0 | Major : Software Engineering & Database System

Bachelor of Technology, Computer Science and Engineering,   08/2019 – 06/2023 | Pune, India
MIT Art's Design and Technology
- GPA : 3.3/ 4.0

SKILLS

Programming Languages: JavaScript, Python, Java, TypeScript, SQL, Dart

Database: MySQL, PostgreSQL, MongoDB

Web/App Technologies: Vue, React, React Native, Next.js, Angular, Node.js, Django, Flutter

Operating system:: Windows, Linux

Cloud & DevOps: Google Cloud Platform (GCP), AWS (Lambda, API Gateway, RDS, S3, EC2), Docker, Kubernetes, CI/CD (CircleCI, GitHub Actions)

Other Tools: Git, GitHub, GitLab, Jira, Postman, Apache, Tomcat, Agile (Scrum), TDD (Test-Driven Development), Figma

Soft Skills: Technical Leadership, Architectural Decision Making, Cross-Team Collaboration, Problem Solving, Stakeholder/ Client Communication, Business & Product Strategy

PROFESSIONAL EXPERIENCE

Software Development Intern, *Profound Ventures* 🔗   09/2024 – 12/2024 | Dallas, TX
- Developed and deployed multiple modules for the MediPoints HealthCare System, a compliance-driven web application, focusing on user activity tracking and dynamic role-based compensation for healthcare professionals.
- Engineered and executed comprehensive unit tests utilizing Vitest, resulting in a remarkable 30% increase in code reliability, significantly decreasing manual testing efforts by over 40%, streamlining the overall development process.

Software Development Intern, *Fractal Analytics* 🔗   01/2023 – 06/2023 | Mumbai, India
- Engineered and deployed over 15 responsive web pages utilizing Vue.js and the Quasar framework, enhancing user engagement by 40% by incorporating dynamic dashboards, reports, forms, and charts while adhering to industry best practices in responsive design.
- Successfully adapted existing company code into three different tech stacks tailored to unique business requirements, streamlining development processes that led to a 20% improvement in project delivery timelines.
- Developed and optimized server-side applications using Node.js for seamless API integration with a MySQL database, resulting in a 30% reduction in data retrieval times and supporting an increase in overall application performance by 25%.

PROJECTS

Academiverse | Developer, *React JS, Java Spring boot, PostgreSQL,*   08/2024 – 12/2024
AWS EC2, AWS S3, AWS RDS, Microsoft Entra ID, circleCI 🔗
- Developed a comprehensive LMS using Java Spring Boot for backend and React.js for frontend, enhancing the educational experience for university students and professors.
- Implemented AWS services including EC2 for hosting, RDS for PostgreSQL database, and S3 for file storage, ensuring scalable and reliable system performance.
- Established a CI/CD pipeline using CircleCI, automating testing and deployment for efficient development workflow.
- Integrated Microsoft Entra ID for secure user authentication, enhancing system security and user management.
- Utilized Agile methodologies (Scrum) to manage the project, ensuring timely delivery of features and continuous improvement.
- Added a real-time top news feature specific to each department, allowing students and professors to stay updated on relevant industry trends.

- Implemented an AI-driven quiz feature that converts PDF documents into quiz questions, enabling professors to create quizzes from uploaded materials for enhanced interactive learning.

GeoCompensate | Developer & Project Manager, *React-native, Node*   01/2024 – 04/2024
JS, Google Cloud services, NoSQL, GPS Tracking integration ✐
- Enhanced system efficiency by implementing advanced technologies including React, Node.js, MongoDB, and Google Cloud Services; this initiative led to a 25% decrease in server response time and improved user satisfaction rates by 35%.
- Integrated GPS tracking features into timesheet management processes, yielding a significant 30% increase in administrative efficiency while accurately capturing over 10,000 hours of work data monthly for improved payroll accuracy.
- Spearheaded the GeoCompensate project, delivering a robust employee management mobile application that streamlined key functionalities such as employee registration and geolocation-based clock-in/out, resulting in a 40% reduction in onboarding time across 500+ employees.