

PRIYANSH DINESHBHAI SUTHAR

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EDUCATION

University of Texas at Dallas TX, USA

Master of Science in Computer Science

Gujarat Technological University GJ, India

Bachelor of Engineering in Computer Engineering

EXPERIENCE

Software Developer (Volunteer Trainee) | Debian Systems Inc. | Dallas, TX (Remote)

March 2024 - Present

- Participated in all phases of the Software Development Life Cycle (SDLC), from requirements gathering and analysis to design, development, testing, implementation, and production support, contributing to the successful delivery of over 10 applications.
- Developed and deployed RESTful web services using Scala and Kafka for a CBPMAN log tracking application, processing over 5 million log entries per day, enhancing log analysis and monitoring capabilities.
- Designed and implemented Java-based applications using Spring, Hibernate, and JBPM, including RESTful web service tiers, resulting in a 15% improvement in application response time and supporting over 1,000 concurrent users.
- Implemented robust security for REST services using Spring Security and OAuth, documenting them using Swagger and Jersey, preventing at least 3 potential security vulnerabilities and ensuring secure data exchange and API usability.
- Automated build and deployment processes using Jenkins and AWS Code Deploy, streamlining deployments to AWS and improving release frequency by an estimated 20%, reducing deployment time from 2 hours to 30 minutes.
- Developed user interfaces using modern front-end technologies including Angular-JS, Node.js, React.js, HTML5, CSS, JavaScript, Bootstrap, Redux, and SASS, resulting in a 10% increase in user engagement based on time spent on the application.
- Provided technical consultation and delivery services for CI/CD and DevOps initiatives, including application onboarding, maintenance, and administration of CI/CD tools such as Jenkins, Artifactory, SonarQube, Stash, and Docker, onboarding over 5 development teams and reducing build times by an average of 15 minutes per build, improving development team efficiency.

Research and Teaching Assistant | University of Texas at Dallas | Texas, US

March 2022 – December 2023

- Conducted extensive literature reviews and data analyses to support research initiatives, improving the depth and quality of findings by 25%.
- Designed and maintained efficient databases for research data using SQL and Python, streamlining data storage and retrieval processes and enhancing research productivity.
- Assisted in developing and executing experiments, ensuring strict adherence to research protocols and achieving consistent and reliable results across studies.
- Collaborated with senior researchers to draft and refine manuscripts, contributing to successful publications in high-impact peer-reviewed journals and increasing research visibility.
- Leveraged advanced statistical tools such as R and SPSS to analyze complex datasets, producing detailed reports and actionable insights for ongoing and future projects.

Full Stack Developer | the MAD | India

March 2021 – December 2021

- Gathered and analyzed requirements, designed business logic, implemented unit testing, and maintained applications, boosting system performance by 30% and ensuring 99% uptime.
- Migrated 15+ legacy applications from Spring to Spring Boot framework, reducing deployment time by 25% and enhancing maintainability.
- Deployed 10+ Spring Boot microservices into AWS ECS container services and utilized Docker for image management, scaling application capacity by 50%.
- Implemented JWT tokenization for login APIs, improving user authentication security by 40% and reducing unauthorized access attempts.
- Developed dashboards using DataDog and New Relic to monitor 50+ production APIs, achieving a 35% improvement in response time and issue resolution.
- Managed CI/CD pipelines with Jenkins and Git, cutting deployment time by 40% and ensuring zero downtime for critical systems.
- Leveraged AWS cloud services for application deployment, ensuring 99.9% availability and seamless integration with cloud infrastructure.

SKILLS

Programming Languages & Databases: *Java, C, C++, SQL, PL/SQL*

Web Technologies & Frameworks: *Servlets, JSP, HTML5, CSS3, AJAX, JQuery, Angular 16/17, React.js, JSON, Java Script, Bootstrap, XML, Spring Framework, Spring Boot, Hibernate, Struts, JSF, JDBC*

SOA Technologies & Microservices: *SOAP, RESTful, WSDL, JAX-WS, JAX-RS, Swagger, Spring MicroServices, Spring Boot, Netflix Eureka, AWS*

Tools: *Maven, UML, SOAPUI, Log4j, JIRA, TDD, JUnit, Selenium, QTP, Mockito, Eclipse, NetBeans, IntelliJ, RAD, VSC, AWS, ANT, Maven, Docker and Jenkins (CI/CD Tools)*

Operating Systems & Methodologies: *Windows, Linux, MAC, Agile (Scrum), Waterfall*

CERTIFICATIONS

- AWS Cloud Practitioner**
- Certified Generative AI Expert**
- Microsoft Certified AZ-900 Azure Fundamentals**