

Professional Summary

As a highly skilled software engineer with 3+ years of experience, I specialize in developing robust and scalable solutions. My expertise in multiple programming languages and frameworks enables me to tackle complex challenges efficiently. At industry leaders like Cigna and IBM, I have honed my skills in data management, automation, and high-quality code delivery. I am a proactive team player with strong communication skills, committed to staying updated with emerging technologies to continuously deliver innovative solutions.

Professional Experience

Software Engineer, Doublene, USA

Sep 2023 – Present

- Migrated Application from oracle 4.5 to oracle suite log by providing new functionality and new performance (Using Oracle forms/reports PL/SQL) to NET application.
- Designed report for .NET front end application using crystal report and provided test to ensure layout is same as existing reports
- Developed management reporting application based on 4 different applications and databases for BOING Company.
- Co-ordinated code review with joiner developer and provided professional advice to the team to increase the performance and reduce security issues.
- Involved in SDLC requirements gathering, analysis, design, development and testing of application, developed using AGILE/Scrum methodology.
- UI Design and Development Designed and developed user interfaces for 5 web applications using JSP, HTML, CSS, and JavaScript, resulting in a 25% improvement in user engagement and satisfaction.
- Implemented RESTful Web services in Service Oriented Architecture (SOA) to retrieve data from client side and made REST API calls from Angula IS and parsed the data to client and handled the security and Authorization using Spring Security and OAuth2authentication protocol respectively.
- Connected to Data Sources Integrated and managed connections to over 10 different data sources, leveraging Spring Data Framework features such as Spring JDBC and Spring ORM to enhance data retrieval and manipulation efficiency by 30%
- Integrated Spring DAO for data access using Hibernate to fetch data from database and avoid redundant database access statements.

Software Engineer, Tata Consultancy Services, India

Jun 2020 – Dec 2022

- Implemented ETL processes using SSIS, SSRS, and SSAS to streamline data integration from multiple sources, reducing data processing
- Developed JUnit Test Cases Created over 100 JUnit test cases, achieving a 95% code coverage and reducing bugs by 40% through comprehensive unit testing Plan, build and configure network infrastructure within VPC with public and private subnets, configure routing tables and internet gateway.
- Responsible for launching EC2 instances with Windows AML, using auto-scaling and load balancers (ELB). Also, defined security groups depending on access parameters provided.
- Created IAM users and role-based policies to access AWS services.
- SQL Optimization Developed and optimized over 50 stored procedures, functions, views, indexes, constraints, and triggers, resulting in a 40% reduction in application response time and improving overall database performance by 35%.

Projects

Trade Pro: Tech Products Exchange Application

- Developed a secure back-end system using Express.js with MongoDB and Mongoose ODM, reducing unauthorized access attempts by 60%.
- Created dynamic inventory carts with real-time updates and seamless API integration using Postman, enhancing user experience and operational efficiency.
- Utilized EJS for dynamic front-end templates, revolutionizing the tech products exchange process by reducing transaction times by 50% and increasing user engagement by 35%.

Lang Chain-Based Streamlit Application

- Developed a Lang Chain-based Streamlit application for natural language queries and document retrieval, utilizing FAISS for fast similarity search, Hugging Face Embeddings, and the Groq Gemma model.
- Utilized Streamlit for the UI and deployment, and implemented chunk-based data loading, caching, and garbage collection to optimize memory usage.
- Demonstrated ability to build and deploy efficient AI-powered web applications using Lang Chain, Streamlit, FAISS, Hugging Face Embeddings, and Groq Gemma model, ensuring smooth performance and resource management.

Certifications

- AWS Certified Solutions Architect – Associate
- Red Hat Certified System Administrator (RHCSA)

Skills

- Programming Languages:** Python, Java, JavaScript, SQL, C++, TypeScript, Go
- Frameworks:** React, Django, Spring Boot, Node.js, Angular
- Data Management:** ETL processes, data warehousing, data modeling, data mining
- Tools:** Git, Docker, Jenkins, Kubernetes, Terraform
- Cloud Platforms:** AWS, Azure, Google Cloud Platform
- DevOps:** CI/CD, automated testing, continuous deployment, containerization
- Databases:** MySQL, PostgreSQL, MongoDB, Redis
- Web Development:** HTML, CSS, RESTful APIs, GraphQL
- Version Control:** GitHub, Bitbucket
- Methodologies:** Agile, Scrum, Test-Driven Development (TDD)
- Communication:** Team collaboration, project management, technical documentation
- Soft Skills:** Data Cleaning, Data Wrangling, Critical Thinking, Communication Skills, Presentation Skills, Problem-Solving

Education

Master of Science in Computer Science

University of North Carolina at Charlotte, USA

Jan 2023 – May 2024

Bachelor of Technology in computer science

Gitam University Gandhi Nagar, Rushikonda, Visakhapatnam, India

Jun 2017 – Jun 2021