Shubh Ganatra

(979) 599-3949 | ganatra.shubh611@gmail.com | linkedin.com/in/shubhganatra | https://github.com/shubhganatra | Texas

EDUCATION

MS in Management Information Systems | Texas A&M University | College Station, TX — July 2024 – May 2026
BS in Engineering | Veermata Jijabai Technological Institute | Mumbai, India — August 2018 – May 2022

EXPERIENCE

Oracle | Software Engineer — July 2022 – July 2024

- Developed Full-stack SaaS Platform Tools to manage internal Cash Flow & Asset Liability Management operations for global banks
- Deployed Docker Containerization for 2 web apps on a Java back-end, Oracle SQL Database, JavaScript UI connected via REST APIs
- Optimized API response times by 58% measured by Prometheus troubleshooting asynchronous processing on JVM web services
- Conserved 150+ developer hours / sprint via automation tools for testing on Git CloudLab CI/CD pipelines via YAML & Bash scripts
- Ensured 99.9% production uptime on 10+ Scala based legacy backend microservices integrating modern REST APIs & Oracle SQL
- Enhanced financial data retrieval with 30% average response time cut in 5+ client data modules using JWT & XML manipulation
- Architected Kubernetes clusters, ensuring high availability across scalable enterprise-grade distributed applications using Docker
- Maintained Swagger & Confluence documentation, mentored peers via code review & debugging for 50+ critical production bugs
- Managed technical debt via extensive code clean-ups on 7+ legacy systems implementing approved software design patterns

PricewaterhouseCoopers (PwC) | Software Engineer Intern — May 2021 – July 2021

- Led a 7-member team to resolve critical C# & ReactJS integration issues, eliminating application downtime within two-week sprint
- Built advanced solutions transforming raw data models to comprehensive graphical reports using Python & SQL Server Database
- Engineered Twitter analytics add-on for user sentiment analysis, boosting decision speed by 30% via React, Python & Twitter APIs
- Acted as SCRUM Master to increase team velocity by 15% by incorporating tools like MS Project for effective KPI tracking

PROJECTS

TechStack.Studio | GitHub

- Designed end-to-end infrastructure for AI-powered architecture platform to help builders identify tech components for projects
- Applied enhanced Prompt Engineering model to design perfect prompts for architecture generation based on user requirements
- Deployed Python + FastAPI, React & TypeScript Full-Stack with PostgreSQL Database hosted on Docker running on AWS EC2
- Installed a LangChain Pipeline with a Groq LLM APIs to enable model hot-swapping & API Security for LLM Generation Calls
- Engineered architecture diagrams via MermaidJS for user inputs based on App Type, Usage Scale, Security Requirements & more

ChatC.P.T. | Software Engineer | Product Ideation

- Engineered AI assistant using RAG to improve support accessibility by automating degree-plan navigation for 100+ TAMU students
- Configured vectorstore with semantic chunking achieving 99% relevance & accuracy via continuous system prompt engineering
- Launched pilot to gather user feedback on response quality & latency, iterating via context engineering & evaluation workflows

FurnitureFun

- Performed ETL on CSV data for structured data management & migration to build revamped scalable RDBMS & NoSQL solutions
- Deployed MySQL RDBMS on AWS EC2 Linux command line to improve query efficiency & data integrity for 40K+ sales records
- Migrated to MongoDB enhancing scalability & retrieval speed by 35% using JSON extraction, evaluating SQL vs NoSQL trade-offs

SKILLS

Programming Languages & Frameworks: Java, Python, SQL, Spring, Scala, Bash, React, Node, Angular, Go, JavaScript, REST APIs, JSON
AI/ML: LLM, Retrieval-Augmented Generation, GitHub Copilot, Claude Code, n8n, Vercel V0, Context Engineering, Prompt Engineering
Software Fundamentals: Data Structures, Algorithms, Operating Systems, DBMS, Computer Networking, Cloud Infrastructure, Full Stack Web Development, User Interface Design, Front-end Web Application Development, Peer Code Review, Version Control, Agile Sprints, Debugging, API Documentation, System Design, Technical Debt Management, Unit Testing, Integration Testing, MVC, SDLC
Cloud Computing & Distributed Systems: Docker, Kubernetes, AWS, Azure, Google Cloud, OCI, Linux, YAML, Shell Scripting, DockerFile
Cross-functional Collaboration: Jira, Atlassian Confluence, Git, Git Bash, GitHub, Slack, Git CloudLab, Postman, Swagger API, Scrum, SAFe, Test-Driven Development (TDD), CI/CD Pipelines, A/B Testing, User Acceptance Testing (UAT)

LEADERSHIP & AWARDS

- Vice President of Operations at MIS Buddy Connect working on event co-ordination & resource procurement for 100+ students
- Awarded with OFSS ERF Champions Award recognizing exceptional performance, dedication, and initiative in 2023