Bharteesh Kulkarni

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SUMMARY

Seasoned Senior Software Engineer with 15+ years of experience in delivering mission-critical large-scale distributed applications. Proven expertise in designing and developing resilient REST and GraphQL APIs, leading cloud migrations, and driving end-to-end solution design. Skilled in building Agentic AI systems using CrewAI, LangChain and OpenAI Agents SDK

SKILLS

Tech Stack: Java, Spring Boot, Angular, Hibernate, REST, JSON, SQL, GraphQL, AWS
AI Stack: Python, Azure/OpenAI APIs, LangChain, CrewAI, Agents SDK
CI/CD & DevOps: GitHub, Bitbucket, Jenkins, Ansible, Docker, Kubernetes
Tools & IDEs: IntelliJ IDEA, VS Code, Maven, JIRA, AppDynamics, Splunk
Misc: System Design, Agile / Scrum, TDD, Oracle RDF, SPARQL

WORK EXPERIENCE

JPMorgan Chase, Plano, TX – Software Engineer III   Aug 2022 – Sep 2025

· Designed and developed resilient REST and GraphQL APIs to support seamless integration and data retrieval with consumers.
· Led application migration from on-premises to AWS Cloud, implementing/configuring VPC, NLB, IAM, KMS, Route 53, CloudWatch, S3, Lambda, RDS and deployed application on ECS cluster using Terraform.
· Built an AI-driven conversational assistant with Azure OpenAI and LangChain that streamlined data exploration and querying from a Graph Database.
· Engineered a solution to automatically send escalation emails to managers of former Product Owners, ensuring the accuracy of product contact information and achieving a 99% in Overall Data Quality index.
· Conducted comprehensive analysis and POC utilizing Oracle RDF Graph and the Apache Jena framework as part of a strategic initiative to migrate Oracle RDBMS DB to a Graph DB solution.
· Participated in 2023 Global Hackathon by collaborating with Chase Mobile team to develop a new feature in Chase Mobile App and secured 3rd place among 58 teams in Dallas Coded solution category.
· Conducted thorough and constructive code reviews providing valuable feedback to colleagues to ensure high-quality software development standards.

Sidecar Health, El Segundo, CA (Remote) - Senior Software Engineer   May 2022 - Aug 2022

· Streamlined onboarding processes by proposing and designing technical solutions to automate new plan and group onboarding, reducing setup time and improving accuracy.
· Enhanced system security by resolving critical vulnerabilities through upgrading Microservices to latest Spring Boot version, leading to increased protection and compliance.

Bank of America, Plano, TX - Senior Software Developer/Lead   **Sep 2016 – May 2022**

· Architected and developed highly reliable and scalable RESTful APIs for BofA's Financial center technology team to achieve 95% digitization in Account Opening & Account Maintenance applications.
· Migrated APIs from monolith application into Microservices architecture.
· Automated workflow to mail account opening documents to the clients using Spring scheduler, thus reducing manual intervention by 75%.
· Collaborated with business stakeholders, architects, product owners to define scope, requirements and technical details for high-visibility projects.
· Trained/Mentored junior team members on Code Quality, Code review process and CI/CD tools.

Ithaka, Princeton, NJ - Software Developer   **Apr 2010 – Aug 2016**

· Developed Java/Spring based backend services to support ingestion of 900+ publishers' content from 80 countries into portico.org platform.
· Developed content management APIs for academic community to access 10 million articles/books on jstor.org platform.
· Created scheduling jobs using Spring Batch to improve data archival efficiency by 50%.
· Successfully migrated applications from SVN to GitHub and deployed applications to AWS cloud (EC2, S3) via proprietary tools/scripts.

ADDITIONAL EXPERIENCE

Dept of Tech & Information, Dover, DE - WebSphere Administrator   **Aug 2008 – Dec 2009**
Blue Cross and Blue Shield Assoc, Wash. DC - Software Developer   **Jun 2005 – Aug 2008**

EDUCATION

Master of Science in Computer Science, Bradley University, Peoria, IL
Bachelor of Technology in Computer Science & IT, J Nehru Tech University, Hyderabad, India