AMEY KELKAR

Staff Software Engineer

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📍 San Francisco Bay Area

SUMMARY

Results-driven **Staff Software Engineer** with 9+ years of experience in designing scalable services and AI-driven solutions. Skilled in **Generative AI**, microservices, and cloud systems. Experienced in optimizing CI/CD pipelines, enhancing security, and mentoring teams to achieve business outcomes.

EXPERIENCE

Staff Software Engineer

Visa 📅 02/2021 - Present 📍 Foster City, CA

- Co-led the development of **GenAI Reference Architecture**, including components such as a Chatbot, Agents, and Knowledge Graph with Vector and Graph RAG, enabling AI-driven solutions within **9 months**.
- Led the design and deployment of a GenAI **Chatbots**, enhancing user engagement through features like multi-user chat support, history management, and media integrations.
- Developed GenAI **Agents** leveraging LLMs to streamline tasks and workflows, enabling efficient orchestration, process optimization, and decision-making through intelligent automation.
- Delivered production-ready services with **full compliance** to industry protocols (SSDLC, PenTesting, etc.), reducing deployment timelines while maintaining top-tier security standards.
- Enhanced system security by addressing **99%** of vulnerabilities across VMs, containers, and dependencies, ensuring robust protection for services and applications.
- Mentored **10+** colleagues by conducting regular code reviews, hosting knowledge-sharing sessions on secure coding practices and development standards, and providing guidance.

Senior Software Engineer

Visa 📅 05/2019 - 02/2021 📍 Foster City, CA

- Led the iterative development of new products from proof of concepts to production-ready solutions, delivering **minimal-defect** code.
- Designed, developed, and integrated microservices and REST APIs for scalable, low-latency, and high-throughput infrastructure with **98%+** uptime.
- Led a project, designing a microservice with GraphQL integration, pagination, and advanced querying capabilities, improving data retrieval speeds by **20%** and enabling flexible, efficient data fetching.
- Directed migration (OpenShift → Docker), cutting resource costs by **15%.**

Associate Senior Software Engineer

Cerner (now Oracle Health) 📅 01/2018 - 05/2019 📍 Kansas City, MO

- Transitioned legacy multi-page applications to reactive single-page applications using ReactJS, significantly reducing page load times by **20%+**.
- Automated performance monitoring by integrating New Relic, enabling real-time tracking of application metrics like response times and error rates.
- Refactored CI/CD pipeline efficiency by **25%+** by orchestrating automated build, test, and deployment workflows using Jenkins and Spinnaker.

Software Engineer

Cerner (now Oracle Health) 📅 02/2016 - 01/2018 📍 Kansas City, MO

- Developed backend services supporting over **100K+** users, ensuring high availability through robust failover mechanisms, including automated server failover, database replication, health-check monitoring, and blue-green deployments to minimize downtime during updates.

Software Engineer Intern

Rollout 📅 08/2015 - 12/2015 📍 Dallas, TX

- Integrated cloud storage solutions (Box, Dropbox, Google Drive, OneDrive) using webhooks and API optimizations to achieve seamless file operations and **90%+** synchronization accuracy. Implemented robust error handling, delta sync mechanisms, and metadata validation to reduce manual effort.

STRENGTHS

👥 **Leadership, Mentorship and Cross-Functional Collaboration**

🤖 **AI-Powered Frameworks and Custom GenAI Solutions**

</> **Problem-Solving and Technical Versatility**

📓 **Knowledge Sharing and Continuous Learning**

SKILLS

Languages

Java, Python, Ruby, Golang, HTML, JavaScript, CSS

Frameworks

Spring Boot, Streamlit, FastAPI, Langchain, Ruby on Rails, ReactJS

Tools

Git, Jenkins, New Relic, Spinnaker, JIRA, Swagger, Splunk, Grafana, Docker, Kubernetes, OpenShift, Kafka

RECOGNITIONS

🏅 **Technical MVP Award**
Visa

🎓 **Certificate of Academic Excellence**
University of Texas at Dallas

🏅 **Certificate of Merit - 1st Rank**
University of Mumbai

EDUCATION

Master of Science in Computer Science

University of Texas at Dallas
📅 08/2014 - 12/2015 📍 Dallas, Texas

Master of Science in Information Technology

University of Mumbai
📅 06/2012 - 04/2014 📍 Mumbai, India

Bachelor of Science in Information Technology

University of Mumbai
📅 06/2009 - 04/2012 📍 Mumbai, India