Kavish Atul Sanghvi

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SUMMARY

- **Software Engineer with 3+ years of hands-on experience in software development, coding, testing, and debugging**
- Skilled in a variety of languages including **Java, Python, C, and C++,** with expertise in **both front-end (ReactJS, Angular) and back-end (Spring Boot, Django) technologies**
- Proficient in leveraging cloud services, including **Amazon Web Services (AWS) and Microsoft Azure**, for scalable and reliable solutions
- Adept in **Agile methodologies**, contributing to successful project delivery **through scrum ceremonies, sprint planning, and adaptive collaboration**
- Skilled in working with various databases, including **SQL (MySQL, PostgreSQL) and NoSQL (MongoDB),** employing **ORM** for efficient data management and retrieval
- Experienced in setting up and maintaining **CI/CD pipelines using Jenkins, Maven, and Gradle,** ensuring streamlined and automated development workflows
- Embraces a culture of automation, implementing efficient testing practices using tools like **JUnit, Mockito, and JMeter**
- Proficient in version control systems like Git, utilizing platforms like GitHub or GitLab for collaborative code management, code reviews, and continuous integration
- Excellent problem-solving and analytical skills, coupled with effective communication and collaboration abilities, enabling successful cross-functional teamwork and delivery of high-quality software solutions

EXPERIENCE

Software Engineer | JP Morgan Chase & Co. | Jersey City, NJ   **Aug 2023 – Present**
- **Enhanced the existing online trading platform** to improve user experience, performance, and security
- Implemented **microservices architecture using Spring Boot** to enhance scalability and maintainability
- **Integrated algorithmic trading modules** using Java to automate buy/sell decisions based on predefined strategies
- Optimized **SQL queries and indexes in Oracle Database**, reducing data retrieval times by 25% and implemented data archiving strategies for historical transactions
- **Deployed an API gateway** (Netflix Zuul) to centralize API management tasks, including request routing, authentication, and rate limiting
- Utilized **Jenkins for automated builds, tests, and deployments**, ensuring a reliable and efficient development pipeline
- Conducted **regular load testing using JMeter** to simulate peak trading conditions and identify system bottlenecks
- Participated in Scrum ceremonies, ensuring timely delivery of project milestones and continuous adaptation to changing requirements

Software Development Engineer | Amazon.com, Inc. | New York, NY   **Jul 2022 – Jul 2023**
- **Enhanced Amazon sales** by developing **code using Java** to recommend substitute products for out-of-stock items, **benefiting a network of two million creators.**
- **Resolved customer-facing and internal issue** tickets by **conducting root cause analysis** and delivering long-term **solutions within SLA**, **resulting in an 85% reduction in recurring tickets.**
- Efficiently **served as Scrum Maste**r for Creator Coach team, leading daily standup, sprint retrospective, and planning meetings to drive project success while collaborating seamlessly with product, management, and engineering stakeholders.
- Implemented comprehensive **unit tests and integration tests** using **Mockito and JUnit**, achieving **93% code coverage**.
- Designed and created **informative dashboards using Amazon QuickSight**, displaying real-time business metrics and out-of-stock data to aid partner teams and creators in making data-driven decisions.
- **Achieved zero customer-impacting issues** by pre-planning holiday peak load for Amazon Seller Central portal and executing plan to **scale and monitor AWS instances in real-time.**
- Received an accolade for exemplary leadership in managing team of 5 software engineers and efficiently fulfilling responsibilities of primary point of contact for Amazon executives during high-traffic holiday sale, resulting in seamless operations.

Software Engineer | NextGen Healthcare | Mumbai, India   **Jan 2019 – Dec 2020**
- Designed **RESTful APIs** with the **Spring Framework and Java** to enable smooth front-end-to-server communication.
- Performed query optimization on **MySQL databases** to enhance data retrieval speed and boosted data access efficiency by implementing database indexing.
- Addressed concurrency issues using **Java's multithreading** capabilities to ensure data consistency and reliability.
- Wrote **unit tests using JUnit** for critical components to ensure code correctness.
- Utilized **WebSocket technology** to enable real-time updates for critical information, ensuring healthcare providers had the most current patient data.
- Integrated automated testing into the continuous integration pipeline for faster feedback loops
- Designed and implemented efficient database schemas to support complex analytical queries and used **Django ORM** for seamless interaction with the database
- **Implemented OAuth 2.0** for secure user authentication and authorization, enhancing the overall security posture of the EHR system.
- Integrated machine learning models into the application using **Python's scikit-learn library.**
- Implemented CI/CD pipelines using **Jenkins** for automated testing and deployment and ensured code quality checks were integrated into the CI/CD workflow.
- **Used AWS services**, such as **S3 for data storage and EC2 for hosting applications** and implemented scalable solutions leveraging cloud-based resources.
- Practiced **Agile methodologies** with daily stand-ups, sprint planning, and retrospectives to ensure effective project management and timely delivery

SKILLS
Methodologies: SDLC, Agile, Waterfall, Scrum
Languages: Java, Python, C, C++
Cloud Technologies: Amazon Web Services (AWS), Microsoft Azure
Databases: MySQL, PostgreSQL, MongoDB, DynamoDB, Oracle
Frameworks/Libraries: Spring MVC, Spring Boot, JSF, Hibernate, ReactJS, Angular, Node.JS, Django, Flask
J2EE Technologies: Servlets, JSP, JSTL, JavaBeans, JDBC
Web Technologies: HTML, CSS, JavaScript, Bootstrap, jQuery, Ajax, JSON, XML
IDEs/Software Knowledge: NetBeans, IntelliJ, Visual Studio Code, Jupyter Notebook, Microsoft Office Suite
Application Server: Apache Tomcat, WebSphere
Build/Other Tools: Machin Learning Algorithms, Jira, UML, MS Visio, Maven, Gradle, Junit, Docker, Kubernetes, Jenkins, Terraform, Kafka, Mockito, Travis CI, Git, GitHub
Operating Systems: Windows, Linux, Mac OS
Soft Skills: Critical Thinking, Communication Skills, Presentation Skills, Problem-Solving, Decision-Making, Teamwork, Leadership, Self-motivated

EDUCATION
Stevens Institute of Technology | Hoboken, NJ   **May 2022**
Master of Science in Software Engineering. CGPA: 3.90/4.00
NMIMS University, Mukesh Patel School of Technology Management & Engineering | Mumbai, India   **June 2020**
Bachelor of Technology in Computer Engineering.
Maharashtra State Board of Technical Education, Thakur Polytechnic | Mumbai, India   **Jan 2016**
Diploma (Associate) in Computer Engineering.

PUBLICATIONS
- Sanghvi, K., Aralkar, A., Sanghvi, S., & Saha, I. (2020). "A Survey on Image Classification Techniques". Available at SSRN 3754116
- Sanghvi, K., Aralkar, A., Sanghvi, S., & Saha, I. (2020). "Fauna Image Classification using Convolutional Neural Network". International Journal of Future Generation Communication and Networking, 13(1s), 08-16
- Sanghvi, K. A. (2018). "Drunk Driving Detection". Computer Science and Information Technology Journal, 6(2), 24-30