

Shiva Vamsi Gudivada

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Summary

- Experienced Software Engineer with a Master's degree in Computer Science and 7 years of professional experience in developing and delivering innovative and high-performance software solutions.
- Proficient in Algorithms, Data Structures, Object-oriented programming, and Test-driven development.
- Hands-on experience with Azure and Amazon Web Services (AWS) cloud services, including Kafka, and Redis.
- Experience in developing robust, high-performance microservices using asynchronous messaging systems.
- Proven ability to lead and participate in Agile methodologies, DevOps, and all phases of the Software Development Life Cycle (SDLC).
- A creative problem-solver with excellent analytical skills, able to implement new ideas.
- Strong interpersonal skills and a team player, able to work well in fast-paced and dynamic environments.

Technical Skills

Programming languages: Java, J2EE, JavaScript, SQL, JRuby
Frameworks : Spring, Hibernate, iBatis, MyBatis, MapStruct, Apache Camel
Cloud services : Microsoft Azure, Pivotal Cloud Foundry, Azure Cache for Redis, Azure EventHub, Azure Key Vault, Amazon Web Services (AWS), AWS Lambda, AWS API Gateway, Amazon Elastic Compute Cloud (EC2), Amazon Simple Storage Service (S3), AWS CodeDeploy, AWS CodeBuild, AWS CodePipeline, AWS WorkMail, Elastic Load Balancing
Databases : Oracle, MySQL, Amazon DynamoDB, Cosmos DB, MongoDB
Web technologies : HTML5, CSS, JSP, Vue.js, JSON, REST, SOAP, jQuery, node.js
Messaging Systems : Confluent Kafka, IBM MQ, JMS
Tools : Apache Avro, Git, GitHub, Gradle, Maven, Swagger, Jenkins, Hashicorp vault, Sonar, Jacoco
Testing and Automation: Cucumber, Junit, Apache JMeter, Mockito, PowerMock
Monitoring and logging : Splunk, New Relic, Amazon CloudWatch, Graphite, Log4j

Professional Experience

Senior Software Engineer | *The Gap Inc, Columbus, Ohio* *Oct 2022 – Present*

Key accomplishment: Optimized the cloud resource usage, and reduced the expenses by 25% through effective cost management and resource allocation strategies

- Engineered a robust Business-to-Business (B2B) application, utilizing Kafka, to generate and publish real-time events, improving data sharing and communication between business partners.
- Developed a tool to generate test data and validate various business requirements, improving quality assurance and testing processes, and ensuring that the delivered software meets the requirements.
- Implemented and enhanced Spring boot microservices as per the business requirements.
- Actively engaged in debugging and resolving critical production issues, and DevOps operations, improving the reliability, and minimizing the customer impact.
- Assisted team members by reviewing code and collaboratively resolving issues, contributing to improved teamwork, knowledge sharing, and code quality.
- Actively participated in performance tuning, tech debt management, and bug fixes, refining software quality and maintainability.

Software Engineer | *g2o [Client: The Gap Inc], Columbus, Ohio* *Jul 2019 – Oct 2022*

- Developed high-performance microservices using Spring Boot, Apache Kafka, Azure EventHub, and IBM MQ, ensuring scalability and reliability for the application.
- Created proxies to REST APIs using Apigee and troubleshooted issues effectively using the Trace tool, enhancing the application's security.

- Significantly boosted the performance of applications by utilizing Azure Cache for Redis.
- Devised a solution to automatically reprocess failed events, making the system fault-tolerant and more resilient.
- Developed comprehensive feature tests using Cucumber and Gherkin, isolating the application from external services using embedded Kafka, Redis, databases, and Mockito, ensuring high-quality and reliable applications.
- Managed and automated CI/CD pipelines for applications using Jenkins, resulting in faster and more efficient delivery of new features and bug fixes.
- Actively participated in Knowledge Transfer sessions to help onboard new team members and contribute to the team's growth and success.
- Utilized NewRelic and Splunk to monitor application performance, creating alerts, dashboards, and scheduled reports for better visibility and troubleshooting.

Software Engineer | American Smart Lending Group, Galveston, Texas

Aug 2018 – Jul 2019

Key accomplishment: Boosted the number of mortgage applications received every month to 10 times by building the online portal to apply for mortgage

- Overhauled the legacy website and developed a modern, user-friendly, and responsive Vue.js Single-page application, improving the user experience.
- Built a dynamic web application that enables customers to easily request for a quotation and apply for a mortgage online, streamlining the loan application process for customers.
- Designed and built REST APIs for the mortgage application using AWS Lambdas, API Gateway, DynamoDB, and other AWS services, resulting in a cost-effective and Serverless solution.
- Automated build and deployment pipelines using AWS CodeDeploy with auto scaling and load balancing, resulting in faster and more efficient delivery of new features and bug fixes.
- Engineered a Spring Boot REST API to securely upload/retrieve files by integrating Amazon S3 storage, eliminating the need for 3rd party file upload applications.
- Incorporated the Amazon Simple Email Service (Amazon SES) to send automated notification emails to customers, improving communication, customer service and user engagement.

Assistant Systems Engineer | Tata Consultancy Services, Hyderabad, India

Jul 2015 – Jul 2017

Key accomplishment: Achieved a 75% reduction in effort by automating module tasks using Windows Batch file scripts.

- Implemented the k-Nearest Neighbours classification algorithm to develop a Java Web Application which classifies drivers based on their driving patterns, utilizing JSP and Servlets, during the Initial Learning Program.
- Built and maintained SQL scripts and complex queries to produce weekly business reports for data analysis, to help decision making.
- Implemented back-end changes for integration and development of existing products and services, as per business requirements, resulting in better customer satisfaction.
- Collaborated with business stakeholders and production team to discuss solutions and tune activities accordingly, improving teamwork and communication among teams.
- Received an 'On the spot' award for spontaneously resolving an issue with the client, demonstrating strong problem-solving skills and customer service.

Education

Master of Engineering, Computer Science

University of Cincinnati, Cincinnati, OH

GPA: 3.8/4.0

May 2019

Bachelor of Technology, Electronics and Communication Engineering

G.V.P. College of Engineering, Visakhapatnam, India

Percentage: 81.52%

April 2015

Certifications

AWS Certified Cloud Practitioner

Mar 2020

AWS Certified Solutions Architect - Associate

Nov 2020