

Abhilash Godishala

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An excellent team player and talented individual with more than 9 years of experience in building highly scalable microservice for cloud-based software products. Good exposure and sound knowledge in end to end full stack development using Java.

Technical Skills

Java, Spring Boot, Spring Data, Grafana, AWS SSM, Parameter Store, RDS, Docker, ECS, Hibernate, Java Servlets, Java Server Pages, Apache Kafka, PostgreSQL, Ember JS, AWS Lambda, Handlebars, SCSS, Handlebars, Python, Django, Data Structures, Problem Solving, Algorithms, Distributed Systems.

Professional Experience

Senior Full stack Developer, Deloitte

November 2024 - Present

- Designed and developed a payment workflow framework for Texas.gov using Spring Boot, supporting both simple payment flows and complex/custom workflows for pending payment lookup using unique keys.
- Integrated Tyler Technologies payment wallet to enable secure, compliant payment processing across multiple state departments. Implemented production-grade security standards and supported ADS testing to ensure regulatory compliance and reliability.
- Built dynamic Angular components to update UI fields in real time based on user input and workflow state. Developed multi-page applications using the FeePay framework with MongoDB configuration and data ingestion.
- Developed AWS Lambda functions to extract, load, and process invoices and pending fee data into systems and Amazon S3. Implemented Kafka schema evolution and validation using Confluent Schema Registry (Avro/JSON/Protobuf) to ensure backward compatibility.
- Configured and managed Kafka topics, partitions, and consumer groups for scalability and fault tolerance.
- Designed and deployed containerized microservices on Amazon EKS, leveraging Kubernetes for orchestration, scaling, and high availability.
- Implemented Change Data Capture (CDC) using Apache Kafka to synchronize RDBMS and NoSQL (MongoDB) data in near real time.
- Followed an iterative, client-driven Agile approach, participating in sprint planning, demos, walkthroughs, and continuous feedback loops.
- Strong expertise in Java OOP principles, design patterns, coding standards, and Agile best practices.

Senior Product Engineer, Digbi Health

January 2022 - November 2024

Technologies : Java Spring Boot, Postgres, AWS Kinesis, Code pipeline, Grafana, Loki, ECS, Docker

- **New Microservices Leveraging AWS Services:** Leveraging AWS SSM Parameter Store, AWS

Parameter Keystore, AWS RDS, Java 17, and Spring 3.X for your microservices architecture demonstrates a modern and scalable approach to building applications.

- **CI/CD Pipeline with AWS CodePipeline and ECS:** Implementing a CI/CD pipeline using AWS CodePipeline for automated builds, tests, and deployments with ECS for Blue/Green Deployment ensures efficient and reliable software delivery.
- **Debugging Efficiency with Grafana and Loki:** Pushing logs to Grafana using Loki enhances debugging efficiency by providing centralized log management and visualization capabilities.
- **Consolidation of Jotforms/Typeforms for Compliance:** Consolidating forms usage into the backend for HIPAA/Soc2 compliance is crucial for security and regulatory adherence, and it's impressive that this resulted in a significant increase in user and partner onboarding.
- **Migrations from V1 Monolithic to V2 Microservices:** Successfully executing a series of migrations from a V1 monolithic architecture to V2 microservices architecture demonstrates a commitment to modernizing and improving your system's scalability and maintainability.
- **Kinesis Data Streams for Data Sync:** Using Kinesis Data Streams to sync data between the monolith and microservices ensures data consistency and integrity in a distributed system.
- **Consolidation of Customer Health Reports and Routines:** Designing and implementing a service to consolidate customer health reports and daily routines likely improves user experience and provides valuable insights into customer behavior and health.
- **Automated Health Report Generation:** Automating health report generation with Thymeleaf templates and openhtmltopdf streamlines processes and saves time while ensuring consistent and professional-looking reports.

Senior Software Engineer (Backend) , PartsAvatar Inc.

February 2021 - November 2021

Technologies : Java Spring boot, Hibernate, AWS EC2, AWS Lambda, AWS API Gateway Endpoints, S3, SQS, SNS

Product Catalog Team:

- Implemented Lambda's to Sync product scores which will affect the position in website listing.
- Minor Updates on ElasticSearch Mappings.
- Spring Boot, Jenkins, ElasticSearch, AWS Lambda.

Products Team

- Series of AWS Lambda's in java to sync data from third party supplier to PartsAvatar
- Spring boot CLI jobs to analyze inventory completeness, accuracy and provide reports if any change.

DB Microservice

- Django implementation of DB.
- Lambda API Gateway's to perform CRUD operations.

Member Technical Staff (Backend Engineer), Zoho. Chennai, TamilNadu

May. 2017 – February 2021

Products: [Zoho One](#) & [Zoho Directory](#): Designed and implemented end to end highly scalable microservices.

Identity Management as a service/provider: Auto Provisioning of Users and Groups using SCIM protocol.

- Design and implementation of a microservice for maintaining the lifecycle of Users and Groups.
- Integration with all the major Identity Providers like Azure, Gsuite and Okta, allowing on-boarding and off-boarding of customers.
- Central management of users and groups in cloud products.
- Protocol: <https://tools.ietf.org/html/rfc7644>

Mix and Match Subscription:

- Implemented a feature allowing customers to choose products from higher and lower edition, rather than a whole suite of applications.
- Employed Addon Based subscription to fit the needs of end user.

Identity Management as a service:

- Consolidated IAM capabilities including SAML SSO, SCIM Auto Provisioning, MFA into new Zoho directory subscription-based product.
- Designed a microservice to enforce limitations on the paid subscription model.

On-boarding:

- Implemented a UI component for Zoho Directory allowing easier navigation for new customers.
- Employed Add on Based subscription model to meet the needs of end-user

User Unification:

- Designed and implemented an Apache Kafka service to consume all the user info changes across 40 products.
- The System is designed such that it will act as two-way sync where change in one product will reflect in all other products.

Miscellaneous:

- Management and optimization of servers in code level.
- Active care taker of the live server, that includes 40 zoho cloud products.

Intern, Zoho. Chennai, TamilNadu

Mar. 2016 – May. 2017

Subscription Referral System

- A system which allows customers to refer to each other, which in turn generates referral points for the users upon confirmation.
- Developed end to end back-end integration using java servlets.

Education

B.V. Raju Institute Of Technology, Hyderabad, Telangana - 66.75%

Bachelor of Science, Computer Science Engineering, 2013 - 2017