

JAYDIP BARVALIYA

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CAREER OBJECTIVE

Experienced Software Engineer with a strong track record of designing, developing, and deploying scalable backend and cloud-native systems across banking, retail, healthcare, and public sectors. Proven ability to lead cross-functional teams, modernize monolithic applications, and deliver high-throughput microservices in production. Strong foundation in Data Structures, Algorithms, and System Design, with a focus on scalable backend architecture and distributed systems.

CERTIFICATIONS

- **AWS Certified - Solution Architect Associate**
- **AWS Certified - Developer Associate**

Cognizant — Sr. Full Stack Java Developer –Banking Domain [TD Bank]

[May-2023: Current]

- Architected and developed AOCPD, a Java-based enterprise application, capable of handling 400,000 daily transactions by leveraging Redis and Azure, ensuring high availability and scalability.
- Developed a high-performance internal library (Java, Spring Boot, Redis) that eliminated database dependencies and enabled seamless integration across internal systems, significantly reducing response times.
- Automated the Mailbox file transfer module using Java 8, eliminating manual intervention and reducing operational costs.
- Refactored the legacy iDocgen application from a monolithic architecture to microservices using Hystrix, Feign, Spring Boot API Gateway, and Zipkin, reducing system complexity and operational burden while improving scalability.
- Rewrote a UI-based application from JSP to Thymeleaf, ensuring seamless integration with Spring Boot, which significantly enhanced performance and maintainability, greatly improving the LOB experience.
- Mentored a team of developers, leading code reviews and providing best practice guidance, resulting in a 20% improvement in code quality and team efficiency.
- Effectively communicated complex technical concepts to non-technical stakeholders, facilitating smoother project execution and on-time delivery.
- Led successful deployments of enterprise-grade applications, increasing user satisfaction by 25% through reliable performance and stability in production environments.

Cognizant — Tech Lead & Developer –Retail Domain [Nike]

[Aug-2022: Apr-2023]

- As an Onsite Technical Lead and stakeholder participation in migrating/architecting/designing a Legacy application to a cloud-based application using some edge-cutting technologies & tools.
- Managing a team of 12+ FE/BE/DBA/DevOps/BSA by providing technology leadership, mentorship, and communicating in a crystal-clear direction.
- Developed a real-time product UPC generator that can consume and publish millions of records using AWS S3, Lambda, NIFI, DynamoDB, and many other AWS resources.
- As a Lead Architect, I got the opportunity to put my hands on NodeJS applications architecture and cloud design, which includes Lambda, API Gateway, DynamoDB, VPC, Route53, CloudFront, Certification Manager, and S3 and other internal services.
- Defined and implemented operational effectiveness, cost reduction, and embedding change with monitoring deliverables.
- Doing Code reviews, Build/Deployments, database design reviews, and development acceptance to follow standards and defined processes to bring product quality.
- Efficiently wrote code for building and versioning infrastructure against AWS-cloud using Terraform.
- Developing the POC for a successful new approach and pattern for the development team, which can boost the product development flow and pace.
- Provided end-to-end development support for the application till the final rollout of the application.
- As a Team Lead, laid over a solid cycle of development and deployment based on industry standard practices.

- Designing the application layer of the product with AWS EC2, RDS, Lambda, ECS, ECR, Beanstalk, and a plethora of others and configuring AWS cloud watch for application monitoring.
- Designed various architectures of automation in the AWS domain & actively involved in the architecture of the DevOps platform and cloud solutions.
- Developed various Jenkins pipelines which create/assign/build/register various resources and integrate all of them to build a robust environment to deploy the application into the corresponding client's AWS account with some clicks.
- Responsible for providing access to various resources like GitLab repository, Sonar Projects, and JIRA for the developers.
- Reduced the cost of cloud services by optimizing and eliminating the various components of existing systems.
- Added various alarms to the AWS account to identify the failure at any point in time.
- Automate the GrayLog stream creation using REST API and integrated it with Jenkins to make it easier for the team.
- Automate the rotation of the CloudWatch log to the S3 bucket using Lambda, event rule, step functions and SNS.

OneAdvanced — Full Stack Developer — Public Domain
[Jul-2018: Nov-2020]

- Rendered solid technical expertise in Software Development Life Cycle and core Java technologies to develop applications in Core-Java, Spring-Boot, JPA, Hibernate, and Keycloak which also include database handling, cloud services, CI-CD & Front-end Development.
- Single-Handley wrote the Keycloak security module which has increased the accessibility of user management.
- Developed highly interactive and customized UIs using Vue-JS, Mosaic, HTML, JavaScript, and CSS to Improve the functionality of web applications.
- Performed unit testing of applications by developing and applying test cases in Junit.
- Enhanced the quality of code and optimized application performance, leading to a 46% reduction in bugs.
- Responsible for creating and maintaining architecture for Restful API using Spring Boot and exposing and documenting using Swagger & Rest-docs.
- Developed application with help of Java Collections, Generics, Streams and Spring Boot Actuator to monitor and manage in production.
- Hosted the Caching mechanism into the application using Redis to improve the overall performance of the application.
- Integrated internal spring module to the external micro-service using RestTemplate which simplified operations.

Sterlite Tech — Java Developer — Telecom Domain
[Jan-2018: Jun-2018]

- Used Java/J2EE technologies to develop web applications for client-server environments and add functionalities to existing applications.
- Reduced the efforts by 45% by automating the process and setting up various logging and visualization in Linux.
- Good Knowledge of DAO, DTO and Model View Controller.
- Experienced in the Agile (SCRUM) Development Process.

SKILLS

Java/8	Spring-Boot	Spring-Security	Hibernate	REST	JPA	Maven	Junit	Microservices
Reactive	Functional	VueJS	Jenkins	Docker	Terraform	Keycloak	Postgre	SQL
Shell	Putty	Linux-CLI	IntelliJ	VS-Code	Git	IAM	ECR	CloudFront
Lambda	EC2	ECS	S3	IAM	API-Gateway	VPC	Route53	DynamoDB
SNS	SES	CloudWatch	Spring-Gateway	Eureka	Hystrix	Resilience4j	Config-Server	Feign

PROFESSIONAL ACHIEVEMENTS

- **Winner** - Spot award at Advanced for outstanding work in developing the new version of CISG
- **Finalist** - Advanced Hackathon – by Vista group (2019)
- **Runner-up** - Advanced Testathon - among 52 teams - by Vista group (2020)
- **Runner-up** - TheSunflowerLab Hackathon – (2020)