Avishek Gulshan

**Application Development Team Lead**

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Seeking assignments as Technical lead with an organization of high repute preferably in IT industry. Over 5 years of industry experience as a Software developer. With passion for bringing quality in the work with only one thing in mind i.e. customer satisfaction. I have been part of many projects which uses cutting edge technology like ML, AWS and OTT

**AWS Technologies**

AWS Technologies: AWS - EC2, ELB, EBS, S3, EFS, Glacier, Dynamodb, RDS, Elastic Cache, VPC, CloudFront, CloudFormation, CloudTrail, Direct Connect, Route 53, IAM, SQS, SES, CloudWatch, API Gateway, Internet Gateway, NAT Gateway, Certification Manager, AWS Directory Service for Microsoft Active Directory (Enterprise Edition).

**PROFILE SUMMARY**

* **A result oriented professional with over 3 years of experience in Software development life cycle.**
* **Filed for 2 joint patents.**
* Track record of envisioning usage of recent technology and tailoring its usage for achieving desired results.
* Planning Technology Architecture.
* An individual having comprehensive and conceptual domain knowledge of Digital Media.
* Adept in designing, prototyping, requirements analyzing, developing, integrating, implementation, maintenance, enhancement and testing in Java/ J2EE technology
* Adept in designing, prototyping, requirements analyzing, developing, integrating, implementation, maintenance, enhancement and testing in NodeJS.
* Designed and implemented Cloud solutions with AWS Virtual private cloud (VPC), Elastic Compute Cloud (EC2), Elastic Load Balancer (ELB), S3, Auto scaling, RDS, Cloud watch and other AWSservices.
* Designed and Implemented 3 tire architecture with Web, Application and Database servers using Elastic Load Balancer (ELB) with Route 53 DNS registered.
* Rich experience in software development life cycle.
* Effective communicator, proactive planner & negotiator with strong analytical, problem solving and organizational abilities
* Architected proof of concepts using recent technology.
* Part of Solution Architecture Team with primary responsibilities.
* Basic knowledge of Python, Angular.

**WORK EXPERIENCE**

**Since May 2015 with Accenture India.**

**Associate – java developer**

**Key Result Areas:**

* Mapping client’s requirements and providing the leads with best solutions within the scope of project requirements
* Implementing the designed or discussed solutions.
* Planning project activities viz. scoping, estimation.
* Meeting deadlines and Turn Around Time without compromising quality norms and adhering to SLA
* Handled and trained new associates as well as experience developers.

**Highlights:**

* Played a pivotal role in streamlining new processes and designing & executing various new initiatives
* Successfully executed projects on time.
* Won ACE award in 2017 for my innovative thinking.
* Won APEX awards in 2018 for designing and implementing microservice architecture.

**IT SKILLS**

Operating Systems: Windows NT4.0/ 2000/ XP, Windows 98/ 95, Unix, Linux and Sun Solaris8.0

Languages: C, C++, Java SE 8, Python, HTML5

Script: JavaScript, NodeJS

Frame Work: Struts 1.0/1.1 & 1.2/Spring 4.0/Hibernate4.1.x

Web Server: Tomcat 8.x,

Application Server: JBOSS 6.2v

Development Tool: Eclipse

Tools & Utilities: Mustache, Sonar, Jenkins, Maven, Customized Sonar Dashboard plugins, JIRA

Design Pattern: Data Transfer Object, Business Delegate, Data Access Object, Session Façade, Factory

Databases: MySQL, MongoDB, SQLite

Search Technologies: Google Search Appliance

Cloud: Microsoft Azure/Amazon webservices - IaaS, PaaS, SaaS, Google Cloud Platform

Web Related: EJB2.0, Servlets2.3, JSP1.2, JDBC and HTML

Domain & Technologies: OTT

**ACADEMIC DETAILS**

2014 B.Tech in Computer Science

**PERSONAL DETAILS**

Date of Birth: 21st June 1992

Contact Address: A106, Abhee Lakeview Apartments, Kaikondrahalli, Bangalore - 560035

Languages Known: English, Hindi

**REFER TO ANNEXURE FOR PROJECTS EXECUTED AND CLIENTS HANDLED**

**ANNEXURE**

**PROJECTS EXECUTED**

Title: IVRA [Hold joint patent for this idea]

**Role: Lead Developer**

Client: Accenture – Innovation

Domain: Digital Media – Advertisement

**Technologies:** Java/J2EE, Python, FFMPEG, XML, REST, JSON, Google Cloud Platform- Vision Analysis, Google Cloud Platform- Tensor Flow, Thyme Leaf, HTML5, CSS, Bootstrap, Spring Boot, MySQL.

**Brief:** Innovative idea to monetize virtual reality contents byrecognizing objects like brands and people within the content and placing advertisement or e-commerce opportunities on demand.

Responsibilities:

* Carried out:
	+ Part of Solution Architecture Team with primary responsibilities to analyze the problem and come up with the solution to achieve the requirement.
	+ Plan and provide estimations.
	+ Implementation of the proposed solution
	+ Integrate google vision service and google tensor flow
	+ Demonstrate the application to various clients and Accenture Leadership.
	+ Unit Testing.

Title: Intelligent Home [Hold joint patent for this idea]

**Role: Senior Developer**

Client: Accenture – Innovation

Domain: Digital Media – OTT

**Technologies:** Java/J2EE, Python, FFMPEG, XML, REST, JSON, Spring Boot, Mongo DB, NLP

**Brief:** Innovative idea for creating stickiness of users to the OTT platform. It is a content recommender with various innovative features to powerfully show case “Show me you know me”. Can be integrated with any existing devices like, Mobile, Amazon Echo, Google Home etc.

Responsibilities:

* Carried out:
	+ Part of Solution Architecture Team with primary responsibilities to come up with new ideas.
	+ Plan and provide estimations.
	+ Implementation of the proposed solution
	+ Design and develop an architecture to support any number of new Intents
	+ Adapt microservices architecture.
	+ Integrated Google cloud for NLP.
	+ Build in house NLP
	+ Came up with multiple algorithms to achieve the goal (Hold PATENT for one such algorithm)
	+ Demonstrate the application to various clients and Accenture Leadership.
	+ Overlook the development.
	+ Provide development support when needed

Title: ICA

**Role: Senior Developer**

Client: ATT

Domain: Digital Media – Advertisement

**AWS Technologies:** AWS - EC2, ELB, S3, Dynamodb, RDS, VPC, IAM, SQS, SES, CloudWatch, API Gateway, Internet, AWS Rekognition

**Technologies:** Java/J2EE, NodeJS, FFMPEG, XML, REST, JSON, Google Cloud Platform- Vision Analysis, Google Cloud Platform- Cognitive Services, Azure Cognitive services, Spring Boot, MySQL.

**Brief:** Innovative idea to for Ad Content moderation i.e. doing contextual analysis of the content to validate if it is appropriate enough to be published as an advertisement.

Responsibilities:

* Carried out:
	+ Part of Solution Architecture Team with primary responsibilities to analyze the problem and come up with the solution to achieve the requirement.
	+ Design Microservice architecture for the solution.
	+ Integrate multiple platform and technologies to achieve the desired goal.
	+ Plan and provide estimations.
	+ Implementation of the proposed solution
	+ Tracked progress
	+ Created a framework on top of AWS java SDK to deal with operation like put, delete, copy, download and generate signed URL from S3
	+ Developed Lambda functions and integrate it with multiple cloud services including AWS Rekognition, Google Vision, Azure Cognitive and Google Video analytics.

Title: Developer Ecosystem

**Role: Team Lead**

Client: Internal

Domain: Mobility

**AWS Technologies:** AWS - EC2, ELB, S3, RDS, Lambda, Elastic Cache, VPC, Route 53, IAM, SQS, SES, CloudWatch, API Gateway, Internet Gateway, NAT Gateway, AWS Cognito

**Technologies:** Java/J2EE, NodeJS, AWS-SDK HTTP/2, JSON, REST, Apache Tomcat, Docker, Maven, GIT, Continues Integration - Jenkins, SonarQube.

Responsibilities:

* Carried out:
	+ **Part of Solution Architecture Team.**
	+ Evaluate Requirements.
	+ Implemented Cloud solutions with AWS Virtual private cloud (VPC), Elastic Compute Cloud (EC2), Elastic Load Balancer (ELB), S3, Glassier, Auto scaling, RDS, Cloud watch, Route 53, API Gateway, Internet Gateway, NAT Gateway
	+ Implemented 3 tire architecture with Web, Application and Database servers using Elastic Load Balancer (ELB) with Route 53 DNS registered.
	+ Designed and configured a virtual data center in the Amazon Web Services cloud to support Enterprise Data Warehouse hosting including Virtual Private Cloud (VPC), Public and Private Subnets, Security Groups, Route Tables, Elastic Load Balancer.
	+ Utilized Cloud Watch to monitor resources such as EC2, CPU memory, Amazon RDS DB services, Dynamo DB tables, EBS volumes; to set alarms for notification or automated actions; and to monitor logs for a better understanding and operation of the system
	+ Designed roles and groups for users and resources using AWS Identity Access Management (IAM).
	+ Implemented enterprise application microservices architecture with Java-J2EE and NodeJS applications
	+ Worked on Continuous Integration/Continuous Deliver using Jenkins
	+ Worked on enterprise design patterns like DTO, Business Delegate, DAO and cloud design patterns
	+ Worked on Cloud fundamentals like autoscaling, elasticity, serverless
	+ Installed and Setup GIT Repository (Version Control System) at client side.
	+ Aid in creating AWS Architecture strategies and roadmaps across multiple service lines and capabilities.
	+ Provide End-to-End accountability for design, build, and deploy.

Title: Video Quality Framework

**Role: Team Lead**

Client: Discovery

Domain: Digital Media - OTT

**AWS Technologies:** S3, RDS, Lambda, VPC, IAM, SQS, SNS, CloudWatch, API Gateway, Internet Gateway, NAT Gateway,

**Technologies:** Go, AWS-SDK HTTP/2, JSON, REST, Docker, GIT, Infra Automation- Pulumi, Continues Integration - CircleCI, SonarQube.

Responsibilities:

* Carried out:
	+ **Part of Solution Architecture Team.**
	+ Evaluate Requirements.
	+ Implemented Cloud solutions with AWS Virtual private cloud (VPC), Elastic Compute Cloud (EC2), Elastic Load Balancer (ELB), S3, Auto scaling, RDS, Cloud watch, Route 53, API Gateway, Internet Gateway, NAT Gateway
	+ Implemented 3 tire architecture with Web, Application and Database servers using Elastic Load Balancer (ELB) with Route 53 DNS registered.
	+ Designed and configured a virtual data center in the Amazon Web Services cloud to support Enterprise Data Warehouse hosting including Virtual Private Cloud (VPC), Public and Private Subnets, Security Groups, Route Tables, Elastic Load Balancer.
	+ Utilized Cloud Watch to monitor resources such as EC2, CPU memory, Amazon RDS DB services, Dynamo DB tables, EBS volumes; to set alarms for notification or automated actions; and to monitor logs for a better understanding and operation of the system
	+ Designed roles and groups for users and resources using AWS Identity Access Management (IAM).
	+ Implemented enterprise application microservices architecture in GO language
	+ Automated Infra creating using PULUMI
	+ Worked on Continuous Integration/Continuous Deliver using Circle CI
	+ Worked on Cloud fundamentals like autoscaling, elasticity, serverless
	+ Installed and Setup GIT Repository (Version Control System) at client side.
	+ Aid in creating AWS Architecture strategies and roadmaps across multiple service lines and capabilities.
	+ Provide End-to-End accountability for design, build, and deploy.

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