Ajith Jayaraman Nair

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SUMMARY

Software engineer with 6+ years' experience in software engineering with expertise in building cloud native applications.

SKILLS

Languages: Python, Typescript, Java, C#, ruby
Cloud Services: AWS Lambda, DataSync, EC2, S3, DynamoDB, SNS, API Gateway, DynamoDB, Kinesis, SES, Pinpoint
Technologies: Terraform, SQL Server, MongoDB, React JS, Apache Kafka, Docker, Kubernetes, Soul Machines, Selenium, .NET

PROFESSIONAL EXPERIENCE

Slalom Build — Jun 2021 – Present
Senior Software Engineer — New York, NY

- Led a team in the development of a highly available robust data transfer utility to migrate genomic analysis data in the order of terabytes from on-prem servers to cloud storage for a healthcare application
- Designed and developed modules for the application using **AWS DataSync**, **Lambdas**, **EC2**, **S3**, **DynamoDB** services and NodeJS which improved the performance of genomic analysis pipeline by **70%**
- Developed a service health reporting dashboard for transfer status and service health using AWS Athena
- Designed CI/CD pipelines for continuous delivery of the application using Jenkins
- Managed scrum ceremonies and designed roadmap for successful and timely product delivery

Software Engineer — New York, NY

- Designed and developed backend modules of a banking application with Event Driven Architecture using serverless architecture on AWS
- Implemented microservices using **AWS Lambdas** in Kotlin and Python backed with **AWS Kinesis Data Streams** and **DynamoDB** database for push notifications management
- Configured **AWS SNS** platform and endpoints to push notifications to devices registered using Firebase Cloud Messaging
- Designed backend modules for a customer support messaging service to provide live chat support
- Developed tool to analyse performance of API endpoints with breakdown of execution time of components of the service

Slalom Build — Jun 2020 – Aug 2020
Software Engineer Intern — Chicago, IL

- Implemented Client Visit Management system to manage virtual and in-Person customer tours to Slalom Build Centres using AWS serverless architecture backed by **NodeJS Lambdas**, **AWS API Gateway** and **DynamoDB**
- Designed and developed role management module using AWS Cognito User Pool and Authentication triggers with SSO integration using Azure Active Directory
- Developed React components for state management to support UI of the role management module

Fides Consultancy Services — Jan 2019 – July 2019
Software Consultant — Mumbai, India

- Implemented ERP application to handle freight inventory management, imports and sales request management which helped improve QoQ profits of the client by 30%
- Designed and developed maker-checker workflow modules which helped reduce turnaround time of requests by 25%
- Developed endpoints to manage API requests using **.NET MVC** and **SQL Server** and deployed to **AWS EC2** instance

Tata Consultancy Services — Aug 2015 – Oct 2018
Systems Engineer — Mumbai, India

- Implemented modules for workflow management software to manage over **300,000** visa processing requests per month
- Developed modules for GST integration automating tax calculations using **.NET Web Forms** with **SQL Server**
- Prepared daily project status report for client using **Microsoft SSRS** to study business trends
- Implemented SQL Server Agent jobs to automate multiple business operations which decreased cost of operations by 10%

EDUCATION

University of Illinois at Chicago (UIC) – Chicago, Illinois
Master of Science in Computer Science

University of Mumbai
Bachelor of Engineering in Computer Engineering

CERTIFICATIONS

AWS Solutions Architect Professional SAP-C02
AWS Solutions Architect Associate SAA-C03