

Ajith Jayaraman Nair

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PROFILE SUMMARY

Computer Science recent graduate with 4 years of full-stack software development experience looking for Software Development Engineer roles.

EDUCATION

University of Illinois at Chicago (UIC) – Chicago, Illinois	Aug 2019 - May 2021
Master of Science in Computer Science	GPA: 3.88
<ul style="list-style-type: none">Coursework: Mobile App Development, Cloud Computing, Information Retrieval, Machine Learning, Computer Security	
University of Mumbai	Aug 2011 - July 2015
Bachelor of Engineering in Computer Engineering	GPA: 3.5
<ul style="list-style-type: none">Coursework: Data structures, Algorithms, Object-oriented design, Database management systems.	

SKILLS

Languages: Python, Kotlin, Typescript, C#, YAML, Java, Scala, C, ruby.

Technologies: AWS Lambdas, Terraform, AWS Kinesis, .NET Core, Android, Docker, Kubernetes, EC2, AKS, Selenium, React JS

Database: AWS DynamoDB, SQL Server, MySQL, MongoDB.

PROFESSIONAL EXPERIENCE

Slalom Build	Jun 2021 – Present
Software Engineer	Chicago, IL
<ul style="list-style-type: none">Designed and developed backend modules of 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.Managed IAM roles, policies, and resource provisioning with Infrastructure As Code using Terraform.	
Slalom Build	Jun 2020 – Aug 2020
Software Engineer Intern	Chicago, IL
<ul style="list-style-type: none">Implemented Client Visit Management system to manage virtual and in-Person customer tours to Build Centres.Designed and developed role management module using AWS Cognito User Pool and Authentication triggers with SSO integration using Azure Active Directory.Developed React components with Redux and Hooks for state management to support UI of the role management module.Integrated AWS SAM CLI scripts to generate user for automated API and UI testing in the deployment pipeline which helped increase testing efficiency by 20%.Developed AWS API Gateway APIs backed by a NodeJS Lambdas and Dynamo DB.	
Fides Consultancy Services	Jan 2019 – July 2019
Software Consultant	Mumbai, India
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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%.	

PROJECTS

Task Planner - .NET Core Microservices, C#, Docker, AKS, SQL Server, Android, SQLite

- Designed a Container and Microservice based architecture for backend APIs using **.NET Core** and **Docker** for a Daily Task Planner application.
- Designed CI/CD pipeline to deploy microservices to **Azure Kubernetes Service** cluster.
- Developed mobile application consuming the backend APIs using **Android** with **SQLite** DB and Background service.

Distributed Hash Table Implementation - Akka Http Actor Model, Scala, Docker

- Implemented simulation of Chord Algorithm used in peer-to-peer network distributed hash table for data look-up and storage using Lightbend's **Akka Http Actor model** in **Scala**.
- Deployed **Docker** image of application on Docker Hub by integrating with Bitbucket pipeline.