

ARPITA RAI

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EDUCATION

Northeastern University

Master of Science- Information Systems

Object Oriented Design, Network Structure & Cloud Computing, Web Design & UXD, Web Development Tools, Design Patterns

SRM University

Bachelor of Technology- Computer Science & Engineering| Data Structures & Algorithms, Software Engineering

Boston, MA

Dec 2024

Chennai, India

May 2019

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, C#, C++, CSS, HTML

Database: MS SQL Server, MySQL, Mongo DB, PostgreSQL

Frameworks: Spring Boot, NodeJS, Reactjs, Express

Cloud & DevOps Ecosystem: Amazon Web Services, Google Cloud Platforms, Terraform, Hashicorp-Packer, Linux, Shell Scripting

Tools: Visual Studio Code, NetBeans, Git, Bitbucket, JIRA, Bamboo, Cucumber, Swagger, Tomcat, Workbench, Salesforce, IntelliJ

WORK EXPERIENCE

NEW YORK LIFE – DIGITAL R&D LAB | Software Developer Co-op | New York, USA

Jul 2023 - Dec 2023

- Engineered Java and Spring Boot Backend APIs in R&D Lab for the in-house "GuideMe" app, supporting 10k agents nationwide. Integrated Salesforce REST APIs, contributing to DB design and optimizing database transactions for enhanced app performance.
- Implemented Agile principles in managing sprint backlog delivery using GitHub-based CI/CD pipelines, and closely collaborating with backend and frontend teams and QA team to ensure on-schedule key functionality implementation.

INNOVER DIGITAL | Software Developer | New Delhi, India

Dec 2021 - Aug 2022

- Designed and deployed serverless applications on AWS using API Gateway and Lambda functions, implemented State machines and Step functions for streamlined workflow, and integrated DynamoDB for efficient Data Management, for scalable & cost-effective solutions.
- Led the design and implementation of 7 end-to-end features using RESTful microservices, transforming legacy applications into a cloud-hosted suite for a Canadian client - SSENSE Fashion Company.

SIEMENS TECHNOLOGY AND PRIVATE LIMITED | Software Developer | Bangalore, India

Jul 2019 - Oct 2021

- Developed secure and scalable RESTful APIs applying Java Spring Boot and the AWS serverless framework and MS-SQL, resulting in a highly performant and secure application architecture.
- Optimized existing Java APIs through code migration to modular and scalable NodeJS services within the AWS Cloud.
- Resolved critical bugs, and employed Cucumber for development & testing, resulting in improved app performance reliability.

Full Stack Intern

Jun 2018 - Apr 2019

- Assisted the Senior Architect in designing and implementing an e-commerce platform for selling replaceable parts for the company's electronic devices. Contributed to core API development using ASP.NET, integrated MongoDB, and automated the DIGSI application with Ranorex and C# scripts for enhanced fault recording and logging of electrical goods.

ACADEMIC PROJECTS

Cloud Native Web Application – Google Cloud Platform, NodeJS, CI/CD, Terraform, Packers

Jan 2024

Developed a RESTful CRUD customer management web application on GCP, leveraging Node.js and MySQL. Designed a Terraform template to utilize various IaaS services, including VPC, Subnets, Compute Engine, Cloud SQL, Cloud Storage, Load Balancing, Cloud DNS, Cloud Logging, IAM Roles, Cloud Functions, Pub/Sub, and Firewall Rules. Additionally, I developed CI/CD pipeline using GitHub Actions to trigger Packer image builds and Cloud Deploy actions.

TRENDR - Web Design & User Experience - News Summarization Application

Jan 2023

Led software development lifecycle for news summary app, integrating external APIs for news fetching, GPT-4 APIs for article summarization, & Twitter APIs for related tweet display, used Next.js, React, Redux, Node.js, MongoDB, Mongoose to create a full stack application.

LEADERSHIP SKILLS

D'AMORE-MCKIM SCHOOL OF BUSINESS AT NORTHEASTERN - Teaching Assistant

Jan 2023 – May 2023

Evaluated and graded assignments and lab work for 102 students in Spring 2023's Database Management & Design course, offering Python script support, debugging assistance, and regular office hours for comprehensive student assistance.