

# Altaf Salim Shaikh

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## EDUCATION

### Northeastern University, Boston, MA

Master of Science in Information Systems

Aug 2024

- Relevant courses: Application Engineering, Network Structure & Cloud Computing, Web Design and Engineering, and Object-Oriented Paradigms, Data Structures and Algorithms

### Savitribai Phule Pune University, INDIA

Bachelors in Computer Science Engineering

Jul 2015 - Jul 2019

## TECHNICAL SKILLS

**Programming Languages:** Java, C++, JavaScript, Python

**Web Technologies:** HTML5, CSS, SCSS, REST Services, Node.js, Express.js, React.js

**Databases:** MySQL, Postgres, MongoDB, AWS RDS

**Tools:** Jenkins, GitHub Actions, Packer, ServiceNow, Shell scripting, JIRA, Elastic Kibana

**Methodologies:** REST API, CI/CD, Serverless, Agile, Git, Microservices, Test Driven Development

**Other:** AWS, VS Code, IntelliJ, Eclipse, NetBeans, Postman, Swing, Linux

## WORK EXPERIENCE

**IpserLabs | Software Intern** / Mountain View, California (Remote)

Jan 2024 – Present

- Designed and implemented the user interface using web development tools, React, HTML, CSS & JavaScript which brought 85% efficiency in the project and enhanced the code quality
- Improved flexibility and fault tolerance by moving the web page from jQuery to React resulting in 70% increase in user satisfaction
- Implemented and created the new test design of web pages from Figma, leveraging Figma improved the project's efficiency by 50% and enhanced accessibility
- Orchestrated Tomcat servers for project deployment, ensuring reliable server operations resulting in decreased server downtime

**Wipro Technologies | Software Engineer** / Pune, India

Oct 2019 – June 2022

- Designed and built scalable RESTful APIs using Node.js framework, resulting in a significant 60% improvement in response times
- Orchestrated the deployment of applications on AWS, utilizing services such as DynamoDB, EC2, and CloudWatch, leading to a notable efficiency increase of 37%
- Implemented end-to-end automation of the CI/CD pipeline with Jenkins, successfully reducing application downtime and enhancing overall development efficiency
- Conducted comprehensive testing at multiple levels, adopting Test Driven Development (TDD) principles, achieving over 80% test code coverage, and ensuring consistently high code quality
- Spearheaded the implementation of optimization techniques, resulting in a 40% improvement in response times and a 60% increase in scalability, showcasing strong teamwork and problem-solving skills

## ACADEMIC PROJECTS

**Cloud-Native Web Application** | CI/CD, GitHub Actions, RESTAPI, AWS, Pulumi (IaC)

Sept 2023-Nov 2023

- Designed and implemented a REST API using TypeScript, Node.js, and MySQL focusing on cloud native principles
- Leveraged AWS RDS with replica sets for user metadata storage and utilized Amazon S3 for file management
- Enhanced application security by confining services within virtual networks for robust networking
- Packaged the application into an AWS AMI using HashiCorp Packer and set up logging & monitoring to CloudWatch
- Orchestrated IaC deployment of AWS services (VPC, DNS, EC2, ASG, ALB, RDS, S3, DynamoDB) using Pulumi IaC
- Integrated a CI/CD pipeline with GitHub Actions for streamlined testing and deployment

**Study Spaces Web Application** | React, Antd, NodeJS, MongoDB

Sept 2022-Dec 2022

- Developed a web app facilitating college students in locating and reserving study spaces, effectively tackling the challenge of limited availability. Established RESTful endpoints for managing study spaces, updating seating arrangements, and adjusting pricing
- Integrated OAuth to handle API requests from external systems via middleware and seamlessly incorporated the Stripe API for processing study space booking payments.