

# ROHIT HOODA

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## EDUCATION

**Northeastern University, Khoury College**, Boston, MA

Aug 2024

Masters of Science in Computer Science

GPA: **4.0**

Related courses: Algorithms, Design Pattern, Web Development, Database Management Systems, System Design

**Gujarat Technological University**

Aug 2021

Bachelor of Engineering in Computer Science Engineering

GPA: **9.25**

Related courses: Data Structures, Agile/Scrum Development, Operating Systems, Object Oriented Programming/Design

## TECHNICAL SKILLS

**Languages:** JavaScript, Python, Java, TypeScript, Go, SQL, HTML, CSS, XML, JSON, C++

**Tools/ Platform:** Git, Maven, Postman, GitHub, Terraform, Azure DevOps, Jira, TDD, ETL, Unix/Linux, Docker, IaaS

**Libraries/Frameworks:** NodeJS, React, Redux, Express, Spring Boot, JUnit, jQuery, Bootstrap, Flask

**Cloud:** Amazon Web Services, EC2, S3, RDS, CloudWatch, Lambda, CloudFront, DynamoDB, Route53, VPC

**Database:** MySQL, PostgreSQL, MongoDB, NoSQL, Aerospike, Redis

**Soft Skills:** Organizational skills, Analytical and Problem-Solving, Communication Skills, Team player, Time Management

## WORK EXPERIENCE

**Rakuten Advertising** *Software Engineering Intern*

Aug 2023 – Jan 2024

- Engineered Golang REST APIs for publisher diagnostic tools, empowering seamless advertisement creation and testing
- Enhanced **Core SSP platform** to generate dynamic ad by parsing OpenRTB requests, **trimming manual effort** by **90%**
- Architected Node server to display ads via Header Bidding request for enhanced stakeholder & client presentation
- Formulated comprehensive unit & integration test cases, resulting in remarkable **increase** of over **20%** in **code coverage**

**Tyler Technologies** *DevOps Engineering Intern*

May 2023 – Aug 2023

- Modernized project to spin up preconfigured silos in response to ransomware attacks ensuring minimal downtime
- Monitored, responded to, and resolved time critical **SEV** Tickets, resulting in a **10% decrease** in ticket resolution time
- Optimized and automated Disaster Recovery (DR) process by provisioning Infrastructure using Terraform
- Decommissioned AWS resources, 10 servers which led to a **decrease** in client's **infrastructure footprint cost** by **20%**
- Automated tag change process by developing Python script thereby **reducing** manual workload by over **5%**

**Khoury College of Computer Sciences** *Graduate Teaching Assistant Web Development*

May 2023 – Jun 2023

- Mentored class of **100+ students** by conducting Office Hours, promoted best coding practices for Web Development
- Provided hands-on assistance by debugging and troubleshooting projects involving **MERN** stack

**TechNeos Solutions** *Software Engineering Intern*

Jul 2021 – Dec 2021

- Collaborated with a team of 8 developers to **design REST APIs** and unit tests for Employee Management System
- Spearheaded modernization of back-end design & integrated APIs with frontend, **increasing** client **satisfaction** by **15%**

## PROJECTS

**StubHub** | JavaScript, Node.js, React.js, MongoDB, Redux

- Developed interactive, dynamic, **responsive** web application for buying/selling tickets utilizing modern tools
- Implemented MVC design pattern, engineered Middlewares, secured Routes and established a DAO layer to persist data
- Collaborated with team of 3 & integrated Ticketmaster API to fetch event details and displayed these events using React

**AWS Infrastructure Automation and CI/CD** | AWS, Packer, CI/CD, GitHub Actions, Terraform

- Created **CI/CD** pipeline utilizing GitHub Actions workflow, which gets triggered on merging pull requests (PR)
- Performed unit testing, validated packer file, built **custom AMI**, including application dependencies and database
- Leveraged Terraform to provision Infrastructure such as creating VPC, S3 bucket, RDS and EC2 instance

**Stock Broker Application** | Java, JUnit

- Designed a user-friendly **GUI** simulation to bolster finance operations like portfolio rebalancing, performance tracking
- Devised MVC, Command design pattern and higher-order functions to enhance modularity and structure

## LEADERSHIP

- Led a team of 4 people to achieve **3<sup>rd</sup>** rank at Smart India Hackathon: National-Level Hackathon
- President** of Events and Treasury for Runtime Terror (Club of CSE Department)