

Abhay S. Bisht

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EDUCATION

Northeastern University, Boston, MA

Sept. 2020 – May 2024

Khoury College of Computer Sciences

Candidate for Bachelor of Science in Computer Science with Minor in Business Administration

Honors: GPA: 3.7/4.0 | Dean's List, National Merit Scholar

Coursework: Web Development, Fundamentals of Software Engineering, Networks and Distributed Systems, Database Design, Computer Systems, Algorithms and Data Structures

Activities: TA for CS1210 | Oasis, Project Developer | 10v10 Open Softball

SKILLS

Languages: Python | Ruby | JavaScript | Java | SQL | HTML/CSS | C | Kotlin

Tools: Ruby on Rails | React | Next.js | Postgres | Jenkins | Terraform | VSCode | Git

Cloud Services: AWS | Azure | HashiCorp Vault

Spoken Languages: English | Hindi

EXPERIENCE

Northeastern University, Boston, MA

September 2023 – Present

Teaching Assistant for CS1210

- Reviewed students' resumes and provided detailed feedback on formatting and descriptions
- Conducted mock interviews and assessed the quality of responses and time management
- Organized several class sessions which involved facilitating group activities and providing advice

Smartleaf, Boston, MA

January – June 2023

Software Engineer Co-op

- Developed brand new UI components and enhanced existing ones using Ruby on Rails, JavaScript (Stimulus framework), HTML and CSS to enhance the user experience
- Designed and implemented error handling workflow for an external VM connected to main application (logging, monitoring, timeout, etc.)
- Updated backend logic and created unit tests for Advisor Portal application using Ruby on Rails, PostgreSQL, and a CI/CD pipeline for deployment
- Gained proficiency in a proprietary configuration management tool to quickly ensure new features performed consistently between various environments
- Conducted a team presentation on potential application vulnerabilities and how to mitigate them
- Presented an in-depth analysis of a proprietary configuration tool and helped build a how-to guide
- Initiated and facilitated frequent cross-team conversations (i.e. PM and QA team)

Optum, Boston, MA

January – June 2022

Software Engineer Co-op

- Utilized Terraform to build and deploy critical infrastructure in both AWS and Azure
- Augmented an MSK cluster within AWS and harnessed AWS Sandbox for testing
- Generated essential networking resources in Azure (Virtual Network, Subnet, Load Balancer) alongside security protocols (Bastion, Firewall, etc.)
- Redesigned a microsite to centralize API documentation using TypeScript and GitHub Webhooks
- Leveraged Jenkins to create pipeline templates for various project types (i.e. Maven) as well as integrate with services such as HashiCorp Vault and GitHub
- Managed several daily scrum meetings and conducted knowledge transfers with lead engineers