ABHINAV CHOUDHARY

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EDUCATION

Northeastern University   **Sept. 2022-May. 2024**
Master of Science - Computer Software Engineering   *Boston, MA, US*

BML Munjal University   **Aug. 2015-Aug. 2019**
Bachelor of Technology - Computer Science   *Gurugram, Haryana, India*

TECHNICAL SKILLS

- **Languages**: Java, J2EE, JavaScript (ES6), TypeScript, C# (.Net), Python, C++
- **Database**: MySQL, MS SQL Server, NoSQL (MongoDB)
- **Web Technologies**: Spring Boot, Angular, React, Node.js, HTML, CSS, SASS, REST API
- **Misc.**: Git, Terraform, Docker, Kubernetes, DevOps, CI/CD, GitHub Actions, Unit/Integration Testing, Agile methodologies
- **Testing**: Unit Testing, Integration Testing, Automated Testing

EXPERIENCE

EY Global Delivery Services India   **Oct. 2021 - July. 2022**
Software Engineer II   Gurugram, India

Capital Edge
- Spearheaded the collaborative development of 3 client projects in the US, focusing on single-page applications (HTML5, CSS3, Angular, JavaScript, SQL Server, C#, Node.js, Azure, Git), demonstrating exceptional communication and teamwork.
- Delivered high-quality solutions over 3+ years by independently managing multiple full-stack client projects. This demonstrated strong time management, attention to detail, and self-discipline.
- Collaborated with cross-functional on-site client teams in an agile manner to deliver high-quality software, leveraging strong debugging skills to identify and address issues early in the development process.

Leadership
- Led the Azure migration for 3 client projects, managing the software development life cycle from system design to post-deployment. Expanded responsibilities to include Node.js workflows and C# (.NET) API development.
- Mentored and supervised a team of 5 professionals, offering guidance and leveraging extensive project knowledge, showcasing a passion for collaboration and effective communication as an excellent team player.
- Conducted comprehensive code reviews for 2 projects, emphasizing sound software design principles and ensuring adherence to best practices, high coding standards, thorough testing, and meticulous documentation for future development.

EY Global Delivery Services   **Jan. 2019 - Oct. 2021**
Software Engineer I   Gurugram, India

Capital Edge
- Streamlined project lifecycle management by optimizing EY's M&A tool, Capital Edge. Leveraged Angular for the frontend and SharePoint for the backend to boost functionality across project stages.
- Enhanced performance and scalability by updating design, implementing lazy loading, and writing asynchronous code to minimize render times. Utilized Microsoft Power Automate to automate workflows.
- Drove innovation on an internal platform dedicated to tracking and facilitating cross-EY GDS competitions that identified inventive approaches to refine existing workflows, and support ongoing business growth initiatives.

EY Germany Internal Site
- Increased client engagement by over 10% through developing and deploying a collaborative website for EY Germany teams. Written in Angular Js and deployed on SharePoint, showcasing multiple offerings/strategies and supported sales pitches.
- Implemented performance optimizations, achieving a 15% reduction in workflow execution times by collaborating with a senior developer to create a platform that streamlined the exchange of 50+ ideas and designs over 3 years.

PROJECTS

1. React Resume | *React, HTML, CSS, JavaScript, GitHub Actions, CI/CD pipelines, accessibility, mobile responsiveness*
- Built an online resume with responsive design in React, using microservice to fetch and display data through 15+ dynamic components. Managed with Git and optimized for efficiency and accessibility.
- Facilitated efficient data passing between components using dynamic JSON format stored in separate .js files, following a database-like structure for seamless updates, accuracy, consistency, and quicker build processes across the application.

2. Infrastructure as Code DevOps Project | *GitHub Actions, CI/CD, DevOps, Terraform, Linux, Spring Boot*
- Developed a resilient and highly available multi-AZ assessment cloud computing application with authenticated REST-based CRUD APIs that support serverless and event-driven architecture with Spring Boot, Hibernate, and MySQL.
- Automated GCP / Amazon Web Services (AWS) infrastructure components such as DNS, VM Instances, Subnets, Load Balancer, Autoscaler, Authentication and Identity Management (IAM) roles, etc using Terraform following IaC best practices.
- Established a serverless lambda function in Python to send emails via SMTP and update database instances efficiently.
- Authored Bash Shell and other Unix/Linux scripts for automating CLI tasks such as file provisioning and environment setup.
- Reduced manual oversight per PR from 30+ minutes to 10 minutes by implementing robust CI/CD Git workflows and automating deployment processes. Integrated HashiCorp Packer for creating and publishing machine images, and streamlining Virtual Machine refreshes.

CERTIFICATIONS

- Docker Training Course - KodeKloud, June 27, 2024
- Getting Started with Kubernetes - LinkedIn, August 2024
- EY Analytics - Data integration - Bronze (2021) - Ernst & Young, February 12, 2021