

ABHISHEK VERMA

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EDUCATION

George Mason University

Master of Science in Computer Science; GPA: 3.9 (Distinguished Academic Achievement)

Fairfax, VA

August 2022 - May 2024

National Institute of Technology (NIT)

Bachelor of Technology in Computer Science and Engineering; GPA: 3.6

Jalandhar, India

August 2016 - June 2020

EXPERIENCE

Hinckley Medical

Full Stack Developer

Lakeville, MN

May 2024 - Present

- Developed AI-powered PDF Parser using Python, AWS Lambda, multithreading and post processing techniques. Reduced PDF analysis time by 99.86% to 2 minutes and reduced operational costs by 99% to \$5 per document.
- Implemented cross-platform notification system with push and silent alerts using React Native and AWS services. Enabled department, group, and user-specific notifications, reducing critical response times by 60% across 1000+ users in 20 departments.
- Engineered internal review system with React, TypeScript, AWS Amplify, GraphQL, and DynamoDB. Increased review efficiency by 80% for 500+ daily medical documents, cutting average review time to 2 minutes per set.

George Mason University

Graduate Teaching Assistant - Software Engineering

Fairfax, VA

August 2022 - May 2024

- Instructed 20 lab exercises covering OOP concepts like classes, inheritance, APIs, database integration, debugging and testing.
- Led lab sessions for 80 students, facilitating hands-on programming experience in Java, JavaScript and NodeJS.

Ballotpedia

Software Engineer Intern

Middleton, WI

June 2023 - August 2023

- Delivered ReactJS dashboard with advanced interactivity, integrating OpenAI's GPT-3.5 API for automated extraction of key data points from 3,500 PDFs, reducing manual processing by 90%. Enhanced back-end system test coverage by 15% through unit testing and created 3 Node.js API endpoints, streamlining deployment via CI/CD pipelines.
- Engineered Python-based ETL processes leveraging serverless AWS S3 for large-scale voting datasets. Extracted 50,000 records from 200 documents, applied transformative and cleansing procedures and loaded processed data into a PostgreSQL database.

Info Edge India Ltd (Naukri.com)

Senior Software Engineer

Noida, India

July 2020 - August 2022

- Revamped user interfaces using ReactJS, TypeScript and optimized SEO yielding in a 16% enhancement in performance, evaluated by PageSpeed Insights. Achieved 95% code coverage with Jest and Enzyme, reducing production bugs by 30%.
- Built and collaborated on reusable user profile, jobs, and application microservices with over 90% code reuse using Java, Spring and MySQL for Naukri.com job portal, enabling 60% faster development across projects.
- Led the migration of 10 web applications from jQuery to React, integrating with REST APIs, enforcing Agile SDLC methodologies for a seamless transition, resulting in a 40% reduction in page reload time.

PROJECTS

Urgent Unity

Hackathon Project

Fairfax, VA

October 2023 - October 2023

- Architected HIPAA-compliant full-stack web application using MERN stack (MongoDB, Express.js, ReactJS, Node.js). Built a dashboard showing real-time CPR-certified professionals provider availability metrics and location within a 5 mile radius.
- Integrated AWS speech translation & Google Maps for navigation and estimated arrival time. Optimized data structures and algorithms for provider ranking, achieving an average dispatch time of 2 minutes for 100 simulated cases.

University Feedback Express

Academic Project

Fairfax, VA

January 2023 - May 2023

- Developed user friendly survey applications with AngularJS, powered by scalable SpringBoot microservices and RESTful APIs, improving GMU student experience with a 30% faster page reload time.
- Employed Docker, Kubernetes, Jenkins CI/CD pipeline, and Amazon RDS/SQL for optimal performance, storage, and deployment, contributed to 40% reduction in deployment time.

SKILLS

Languages	: Java, Python, JavaScript, TypeScript, C#, C++, C, SQL, NoSQL, PHP
Database	: DynamoDB, MySQL, PostgreSQL, MongoDB, SQL Server, Oracle Server, JDBC, BigQuery, Redis
Web Technologies	: Spring Boot, ReactJS, Redux, NodeJS, AngularJS, Django, Flask, HTML, jQuery, CSS, Webpack, Babel
DevOps and Tools	: GIT, Jenkins, Docker, Kubernetes, Terraform, Ansible, Postman, JIRA, AWS, Azure, EC2, S3, GCP, Maven