Abhishek Tiwari

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EDUCATION

University of Texas at San Antonio- Master of Science: Computer Science   Jan 2022 - Dec 2023
Coursework: Software Engineering, Software Validation and Quality Assurance, Analysis of Algorithms, Large Scale Data Management, Data Science, Cloud Computing.

Rajiv Gandhi Proudyogiki Vishwavidyalaya- Bachelor of Engineering: Computer Science   Jul 2015 - Jun 2019
Coursework: Data science and big data, Distributed Systems, Database management, Cloud Computing and Machine Learning.

SKILLS

Languages:	JavaScript, HTML, CSS, TypeScript, Python, SQL,
Cloud Technologies and DevOps:	AWS (S3, EC2, Lambda, API Gateway), Git, GitHub
Frameworks & Libraries-	React, Node.js, Express.js, Redux, Tailwind CSS, Bootstrap
Databases-	MongoDB, MySQL, PostgreSQL, Firebase Realtime Database

EXPERIENCE

Frontend Developer- *Wakura AI*   Jan 2025 – Aug 2025 | *Sunnyvale, CA, USA*
- Built responsive and intuitive React-based UIs for AI-powered healthcare recruitment assistant, enabling recruiters to increase productivity by 25–50%.
- Built reusable UI components with React, Redux, and CSS, improving consistency and reducing feature delivery time.
- Exposed recruiter workflow automation through REST APIs (Python, AWS Lambda), enabling integration with the React-based frontend and reducing manual tasks by 40%.
- Integrated frontend with backend REST APIs using Node.js and MongoDB to fetch candidate data, sync workflows with ATS systems, and ensure smooth recruiter interactions.
- Lead end-to-end deployment of data infrastructure on AWS (EC2, S3, API Gateway), ensuring secure and scalable access for AI models and internal tools powering healthcare staffing operations.
- Contributed to API design, authentication logic, and data validation to support secure and scalable end-to-end features.

Graduate Research Assistant- *University of Texas at San Antonio*   May 2022 - Aug 2024 | *San Antonio, TX, USA*
- Developed interactive front-end interfaces using React and JavaScript, improving user engagement by 20% for a research data visualization platform integrated with a full-stack web application.
- Designed and implemented RESTful APIs to connect front-end components with a Python-based backend, enabling seamless data retrieval and processing for research analytics tools.
- Collaborated on a full-stack data management system, utilizing HTML, CSS, and Node.js to enhance the accessibility and responsiveness of research dashboards, reducing load times by 15%.

Software Engineer- *Ntier Infotech*   Jul 2019 - Oct 2021 | *Indore, India*
- Streamlined communication and increased visibility of products from SQL backend to content management system, to platform.
- Developed a translation engine that managed data programmatically throughout full-stack web infrastructure.
- Worked with cloud solutions like S3, SQS, Docker, and Kubernetes, developing comprehensive procedures for monitoring, recovery, backup, and system optimization.
- Designed and implemented scalable microservices architectures using Java, improving system throughput by 30% for high-traffic, distributed cloud environments.
- Led the development and deployment of critical features for a large-scale service, ensuring high availability and reducing latency by 25% through optimized integration with Oracle Cloud Infrastructure.
- Utilized Apache Kafka for efficient event-driven data processing, enabling real-time analytics and robust message queuing in distributed systems.
- Collaborated cross-functionally to architect fault-tolerant systems, incorporating systematic monitoring and automated recovery processes to support mission-critical, tier-one live site operations.

Software Development Engineer Intern- *Google*   Apr 2016 - Aug 2016 | *Remote, India*
- Developed an end-to-end integration testing framework to test all the changes made in the configuration and deployment of Docker images in the Kubernetes cluster.
- Integrated the testing framework with Jenkins build system to facilitate automatic test triggers in git pushes and generated results.
- Automated test result generation to provide comprehensive and streamlined feedback for deployment processes.