Shoaib Mohammed

Chicago, IL | +1(312) 483-4710 | shoaibmohammed7310@gmail.com | github.com/shoaibmohammed7 | shoaibmohd.com

EDUCATION

Illinois Institute of Technology-Chicago   **Aug 2022 - May2024**

Masters in Computer Science with Specialization in AI

Gokaraju Rangaraju Institute of Engineering and Technology-Hyderabad   **Aug 2017 - Jul 2021**

Bachelor of Technology Computer Engineering

WORK EXPERIENCE

SimTech *(Software Engineer- Chicago, IL)*   **May 2024 - Present**

- Designed, developed, and deployed responsive websites, and scalable design systems for a variety of clients, leveraging technologies like JavaScript, TypeScript, React.js, Next.js, GraphQL, CSS, WordPress, and other modern tools.
- Built and enhanced scalable web applications and RESTful APIs using Node.js, Postgres, Redis, and Socket.IO, improving application performance and reducing server response time by 30%.
- Automated manual release activities by developing and maintaining CI/CD pipelines using Jenkins, Docker, and AWS, reducing deployment time by 40%. Deployed applications to AWS, ensuring scalable and reliable hosting environments.
- Built and delivered technical solutions aligned with stakeholder business requirements, ensuring project goals were met with precision and efficiency.

Illinois Tech (*Hawk's Nest Graduate Assistant-Chicago, IL***)**   **May 2023 - May 2024**

- Developed and fine-tuned Talon the Scarlet Hawk, a university chatbot powered by Gecko and ChatGPT with web scraping and NLP capabilities, providing real-time, contextually accurate answers to student queries.
- Curated and trained the chatbot on a university-specific dataset, enhancing its understanding of diverse student topics and improving response relevance.

Cognizant Technology Solutions (*Programmer Analyst-Remote*)   **Aug 2021 - Jul 2022**

- Built and optimized React-based applications with SSR, improving load times by 25% and enhancing user experience.
- Developed full-stack features using React, Node.js, and PostgreSQL, enhancing application functionality and performance.
- Integrated new features into existing systems with React and Express, optimizing performance via MySQL indexing, query optimization, and code refactoring, increasing efficiency by 20%.
- Implemented a Test-Driven Development (TDD) approach to resolve high-priority production issues, ensuring robust code quality and reducing issue resolution time by 30%, while improving system stability.

Cognizant Technology Solutions (*Engineering Intern-Remote*)   **Mar 2021 -Jul 2021**

- Designed a SPA using React,MUI, TypeScript, CSS3, and HTML5, enhancing application performance by 20%.
- Implemented test automation suites and developed browser automation scripts using Java Selenium

RELEVANT PROJECTS

Buildr -No code Platform - NodeJS**|**React**|** Web Container **|** OpenAI **[GitHub]**   **Dec 2024**

- Built an AI-powered website builder platform using Node.js and Web Containers, enabling instant website creation with real-time preview and GPT-based content generation for enhanced user experience.

Metaverse - Virtual Office Space - WS **|**Express **|** Monorepo **|** TDD **[GitHub]**   **Nov 2024**

- Developed a scalable virtual environment using Node.js and WebSockets, adopting Test-Driven Development (TDD) and building a modular event-driven backend with real-time movement and user interactions.

Async System for Task Automation - Node Js**|**Kafka **|**Postgres**|**Next JS   **[GitHub]**   **July 2024**

- Developed an automation platform enabling users to create workflows and trigger actions based on events, enabling event-driven workflows across services using Kafka as a queue and the Outbox Pattern for reliable message delivery and consistency.

TECHNICAL SKILLS

Programming languages: JavaScript, Python, Java |**Web:** HTML/CSS, TypeScript,React,NextJS,Graph QL,NodeJS, Express, Web Containers| **Real-Time Technologies:** WebRTC, mediasoup, Socket.IO, WS | **Databases:** Prisma,PostgreSQL, MongoDB |**Cloud :** GCP, AWS S3, ECS, redis,Kafka, Docker, Git, Kubernetes,Prometheus & Grafana. | **Fundamentals:** DSA, System Design.