

Shoaib Mohammed

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WORK EXPERIENCE

Exotic Hub Corporation (Software Engineer)

Chicago, IL May 2023 - May 2024

- Developed and maintained scalable web applications using React.js, Node.js, and MongoDB, increasing application performance by 40% and user engagement by 35%. Designed, implemented, and optimized REST API interfaces using JavaScript & Node.js, resulting in a 30% reduction in server response time.
- 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.
- Implemented monitoring and logging solutions using Prometheus and Grafana, enabling real-time performance tracking and alerting, which reduced system downtime by 25%. Designed and maintained automated test suites using Selenium and JUnit to ensure software quality, leading to a 50% decrease in testing time and a 30% reduction in post-release defects.
- Implemented LangChain to develop a chatbot using Pinecone vector store and integrated with ChatGPT & web scraping capabilities, resulting in a 50% increase in customer query resolution speed and a 40% improvement in user satisfaction. Managed project priorities, deadlines, and deliverables, ensuring timely completion of all tasks despite roadblocks or distractions.

Cognizant Technology Solutions (Programmer Analyst)

Remote, IN Aug 2021 - Jul 2022

- Developed ReactJS-based applications that utilize server-side rendering, leading to a 25% improvement in load times and enhanced user experience. Addressed high-priority production issues through Root Cause Analysis and agile methodologies, achieving a 30% reduction in issue resolution time and improving system stability.
- Collaborated on web and mobile application development projects, leveraging JavaScript and React for the front-end and Node.js for the back-end.
- Led story refinement sessions and collaborated with stakeholders to gather requirements, improving project delivery time by 20% through accurate effort estimation and efficient planning. Organized and led information sessions for knowledge sharing, fostering cross-department collaboration and reducing onboarding time for new team members by 30%.
- Enhanced existing systems by integrating new features using React and Express and performing performance optimizations through database indexing (MySQL), query optimization (SQL), and code refactoring, resulting in a 20% increase in efficiency.

Cognizant Technology Solutions (Engineering Intern)

Remote, IN Mar 2021 - Jul 2021

- Designed a Single Page Application using Angular, Bootstrap, TypeScript, CSS3, and HTML5, enhancing application performance by 20%.
- Implemented basic data structures and algorithms in project assignments, ensuring efficient and optimized code. Assisted in the deployment and maintenance of software applications, gaining practical experience in DevOps practices.

TECHNICAL SKILLS

Programming languages: JavaScript, TypeScript, Python, Java, C# | **Frameworks/Libraries:** HTML5, CSS3, React, Gatsby, NodeJS, Express, NextJS, Spring Boot, GraphQL, Kafka, Tesseract, Pandas, NumPy | **Databases:** SQL/MySQL, Postgres, MongoDB | **Cloud & DevOps:** GCP, AWS S3, ECS, Docker, Git, CI/CD, Jenkins, Kubernetes, JIRA, NewRelic, Grafana, Selenium, Terraform. | **Fundamentals:** Data Structures and Algorithms, Object-Oriented Programming, Design Patterns, Software Development Life Cycle (SDLC), System Design.

PROJECTS & PUBLICATIONS

Zapier -Async System - Node Js|Kafka|Prisma |Postgres [[GitHub](#)]

July 2024

- Developed a Zapier-like asynchronous system leveraging Kafka as a queue, enabling efficient event-driven architecture. Implemented the Outbox Pattern for microservices to ensure reliable message delivery and consistency.

HomeHub Ecommerce Website - Java|Spring Boot|MVC| MySQL| Hibernate [[Github](#)]

Dec 2022

- Built a production-ready eCommerce application using Java Spring Boot (MVC), enhancing code speed, quality, and reliability by 40% with Swagger for API testing.

Brain Tumor Detection - Transfer Learning|CNN|ResNet-50|Inception-V3|VGG-16| Colab [[IEEEExplore](#)]

Jan 2022

- Developed a brain tumor detection model using transfer learning with CNN architectures (VGG-16, ResNet-50, Inception-V3) on Colab, achieving over 98.16% accuracy and significantly improving diagnostic efficiency.

EDUCATION

Illinois Institute of Technology

Chicago, IL Aug 2022 - May 2024

Masters in Computer Science with Specialization in AI

Gokaraju Rangaraju Institute of Engineering and Technology

Hyderabad, IN Aug 2017 - Jul 2021

Bachelor of Technology Computer Engineering and Telecommunication