Imaduddin Sheikh

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EDUCATION

Illinois Institute of Technology
Bachelor of Science In Computer Science

August 2019 - May 2023
Chicago IL

WORK EXPERIENCE

React Native Developer (Volunteer)
Resilience, Inc.

August 2023—November 2023
Remote

- Enhance the AIMEE application by implementing new features and resolving existing bugs by utilizing React Native and Expo.
- Mentored other volunteers with best practices on code collaboration and team coordination. Designed UI layouts and workflows using Figma.

Software Developer Intern
4835 Studios, Inc.

July 2023—August 2023
Chicago IL

- Developed a CMS with Model-View-Controller(MVC) architecture, leveraging C#, ASP.NET, and ReactJS for robust functionality. Engineered a responsive user interface using Tailwind CSS and Vite, integrated with conventional HTML/CSS practices.
- Effectively orchestrated the deployment and hosting of the website on Microsoft Azure Cloud, incorporating Azure SQL Database for data management of blogs, contact messages, and job applications, all hosted on a GoDaddy domain.

Software Engineering Fellow
Headstarter

May 2023—July 2023
Remote

- Acquired key insights through mentorship from software engineers at Fortune 500 companies with industry best practices and technical skills.
- Orchestrated a ReactJS/ExpressJS task management system for startups and students. Integrated AWS Amplify and Cognito for secure user authentication and leveraging Lambda triggers for efficient data storage in DynamoDB. Implemented a robust CI/CD pipeline using Vercel, for seamless deployment and regular updates.
- Engineered a sophisticated ReactJS and Flask-based weather dashboard, utilizing OpenMeteo APIs and NewsAPI for real-time, location-specific weather forecasts and news. Integrating OpenAI's Text-Davinci-003 model for dynamic weather summaries and Twilio for SMS notifications. Employed Google Firebase for effective data caching and a responsive front-end using Material UI and Bootstrap, with deployment on Heroku.

Web Application Developer Intern
Americaneagle.com

May 2022—May 2023
Des Plaines IL

- Spearheaded full lifecycle development for e-commerce site enhancements and implementing bug fixes, from design through to production, using ReactJS, TypeScript, ASP.NET, and .NET's Entity Framework with C# and VB.NET. Utilized LINQ for efficient data querying in client projects.
- Actively engaged in SQL query development and optimization using MS SQL Server, including generating detailed reports that informed client business decisions.
- Worked collaboratively with cross-functional teams, adhering to GIT workflows within Azure DevOps/TFS for CI/CD, which contributed to a reduction in minor deployment issues and improved efficiency in project delivery.
- Utilized project management tools like Jira and Confluence for organized task tracking and project planning.

PROJECTS

Know-Your-Government: Java android app displaying political officials' data using Android Fused Location, Google Civic APIs, Android Volley for data calls and JSON parsing, Picasso for image handling, and TextView Links for social media integration with landscape support.

Real-Time Sign Detection: Real-time hand sign detection model using TensorFlow, Python, and OpenCV2; deployed in a ReactJS application. Utilized TensorFlowJS for model exportation, hosted on IBM Cloud Object Storage, and integrated with NodeJS for web application functionality.

FakeBlog: Full-stack Django blog website featuring user authentication, admin moderation, and author registration; optimized data storage, retrieval, and authentication using MTV framework concepts, deployed on Heroku with PostgreSQL for data management.

SuperDuperDrive: Cloud storage portal/password manager with Spring Boot's inversion of control, Thymeleaf, and MyBatis ORM. Integrated AES encryption for password security, and CRUD operations for notes, credentials, and files. Conducted end-to-end testing via Selenium WebDriver.

Vehicles API Web Service: Scalable Vehicles API with Spring Boot, facilitating CRUD operations for vehicles, enriched with external Pricing Service and Google Maps' location data through HTTP WebClient. Incorporated Swagger for intuitive API documentation, ControllerAdvice for advanced error management, and Eureka for service discovery, ensuring seamless integration and smooth backend orchestration.

Soccer Stadium Analytics: Automated ETL pipeline on Python containerized with Docker that scrapes data from Wikipedia with BeautifulSoup. Used Apache Airflow and Azure Data Factory to clean and load data into Azure Synapse Analytics, enabling advanced data visualizations in Tableau.

SKILLS

Programming Languages	Python, Java, SQL, C#, C++, R, Bash/Shell, VB.NET, JavaScript, Golang, GraphQL, Ruby-on-Rails
Web Development	React.js, JavaScript, TypeScript, HTML/CSS, Node.js, Express.js
Technologies	Git, Unix/Linux, Azure, AWS, Docker, Spring, JUnit, Maven, WPF, Snowflake, Pandas, NumPy, Scikit-Learn, Matplotlib, MongoDB
Certifications	IBM Data Science Specialization (Coursera), Introduction to Snowflake (DataCamp), Java Web Developer Nanodegree (Udacity), Data Engineer Associate (DataCamp)

EXTRA-CURRICULARS

Pakistan Student Association at Illinois Institute of Technology - *Treasurer* — March 2020 - May 2021
Finance Board at Illinois Institute of Technology - *Finance Board Advisor* — December 2019 - December 2020