

Mujaddad Fazeel

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Education

Bachelor of Science in Computer Science

University of Texas at Arlington

May 2024

GPA: 3.95/4

- **Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Software Testing, Artificial Intelligence, Operating Systems, Computer Vision, Software Engineering, Relational Databases, Computer Networks, Project Management, Computer Organization
- **Awards:** Freshman Distinction Award, Dean's List, Capital One Scholar, Hackathon 2x Winner

Skills

Programming: JavaScript, TypeScript, HTML, CSS, Java, Python, C, C++

Frameworks/Libraries: React, Angular, Vue, ExpressJS, Spring Boot, Django

Development & Deployment: Google Cloud Platform (GCP), Amazon Web Services (AWS), Docker, Kubernetes, Linux, Node.js, Jupyter Notebook

Databases: MongoDB, MySQL, PostgreSQL, Firebase

Experience

Software Engineer Research Assistant

University of Texas at Arlington

January 2024 – Present

Arlington, TX

- Developed responsive frontend components using React, enhancing user **engagement by 30%** and improving front-end development efficiency
- Implemented **CSS-in-JS solutions** with styled components, reducing style conflicts **by 25%** and ensuring consistent styling across applications
- Optimized frontend performance using **Webpack and Babel**, decreasing **load times by 20%** and enhancing overall performance
- Integrated **RESTful APIs with React**, ensuring seamless data flow between frontend and backend, and handling **5,000 API calls** per day
- Enhanced user interface by collaborating with **UX/UI designers**, reducing bounce rates by 10% and improving user satisfaction
- Conducted comprehensive code reviews for **frontend codebases**, maintaining high coding standards and significantly improving code quality

Software Engineer

Acess Meditech

July 2022 – January 2024

Remote

- Architected scalable web application modules using **React and Redux**, resulting in a codebase with **15,000+ lines of code**
- Developed responsive web interfaces with **HTML5, CSS, and JavaScript**, increasing user engagement **by 50%**
- Enhanced team productivity by integrating **Git for version control** and enforcing frontend best practices within **Agile development processes**
- Optimized **frontend performance** by implementing **lazy loading and code splitting**, reducing initial load time **by 30%**
- Collaborated with **backend engineers** to integrate **RESTful APIs**, ensuring a seamless user experience and improving data retrieval times **by 20%**
- Automated frontend testing using **Jest and Enzyme**, increasing test coverage to **over 85%**

Software Engineer Intern

Go Together

October 2023 – December 2023

Washington, DC

- Enhanced app stability and user retention **by 25%** through **JavaScript and React optimization**, improving application reliability
- Implemented **adaptive design principles**, improving user experience across various devices **by 20%** and ensuring responsive design
- Streamlined **AWS S3 and DynamoDB** operations, achieving **20% quicker data** retrieval and improved application performance
- Managed Amazon EC2 deployments, ensuring 99.8% system uptime and supporting **10,000+ active users** during peak times
- Optimized **Git workflow** to accelerate **frontend deployment** by **15%**, significantly reducing code rollbacks and improving deployment efficiency
- Fixed frontend bugs using React **DevTools** and **Chrome DevTools**, resolving over **50 issues** and boosting app performance

Projects

SETS | Equipment Tracking Software using RFID

JavaScript, Next.js, Auth0, MySQL, Prisma, Amazon RDS, Node, Express, TailwindCSS, WebSockets

[GitHub](#)

- Developed **tracking software** for hospital surgeries using **JavaScript, Next.js, and RFID** technology to monitor surgical instruments in real-time
- Implemented robust **backend** infrastructure with **Node.js and Express**, and managed data using **MySQL** hosted on **Amazon RDS** for scalability
- Integrated **Auth0** for **secure authentication** and utilized WebSockets to ensure seamless, real-time updates between **100+** devices and servers
- Enhanced user interface and experience, contributing to operational efficiency and patient safety during critical procedures

Testflow | Java Testing Analysis Dashboard

React.js, Material UI, REST APIs, WebSockets, Node, Express, MongoDB, GitHub Actions

[GitHub](#)

- Built Analysis Dashboard using React.js to streamline management and **visualization** of software **testing workflows**, enhancing process efficiency
- Integrated REST APIs and WebSockets with GitHub Actions, reducing data synchronization delay to under **1 second** for enhanced decision-making
- Optimized **JUnit tests** for Java projects, reducing the time to detect and resolve issues by **40%**, improving software quality and testing efficiency
- Engineered a sophisticated backend using **Node.js, Express.js, and MongoDB** supporting data processing for **50+ daily** testing workflows