MOHD ASHIF

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Skills

- C/C++ | Java | JavaScript/typescript | React | Redux | python | HTML/CSS | MySQL | Node | Express | jQuery | NoSQL | MongoDB | Git
- Azure | Cloud Computing | Docker | Kubernetes | CI/CD | Jest | Unit Testing | GraphQL | PostgreSQL | Figma | GSAP | D3 | Three JS
- Microfrontend | Microservices | Distributed Systems | Frontend | Backend | Full-Stack | Linux | English – *professional proficiency*

Education

Master of Science	**Florida State University**	*Tallahassee, FL, USA*	**08/2023 - 05/2025**

- Major in Computer Science

Bachelor of Science	**University of Delhi**	*New Delhi, INDIA*	**06/2019 - 05/2022**

- Major in Computer Science, 8.35/10 CGPA

Experience

Software Engineer	**DELL**	*Remote, New Delhi, INDIA*	**06/2023 - 08/2023**

- Designed and prepared multiple components for all micro-frontend applications of a customer-facing product called Lightning, improving user experience and interactions by 20% using the latest technologies of react, typescript, redux, **web component**, and jQuery.
- Modified **Webpack scripts** to improve the **bundle** size of all micro-frontend applications by making sure that common bundles load only once which reduces the load time of applications by 60%.
- Leveraged SQL with PostGIS extension for spatial data, enabling geospatial analysis and map capabilities for location-based applications.
- Performed root cause analysis for more than 10 issues to identify bugs and rolled out fixes to production within the sprint.
- Spearheaded comprehensive testing efforts, encompassing unit testing, end-to-end (E2E) testing, and integration testing, to ensure software reliability and performance in production.
- Orchestrated containerized applications on **Kubernetes** using YAML manifests and Helm enabling seamless scaling and management.
- Continuous Integration/Deployment Pipeline Integration, pull requests, code reviews, software engineering, unit/integration/e2e testing

Full-stack Software Engineer	**Amantya Technologies**	*Gurugram, INDIA*	**06/2022 - 06/2023**

- Engineered frontend and backend applications for our clients that can help consume the communication towers data to analyze and build a stable network for their customers using **React**, **Typescript, NodeJS**, **MongoDB**, and **SQL.**
- Demonstrated expertise in SQL query optimization within PostgreSQL, resulting in a 30% improvement in database performance.
- Built innovative **microservices** and Web Services (incl. **SOA/SOAP/REST**) to help monitor tower data reducing the response time of APIs by 60% as compared to previous services by using the latest methods and query improvements in backend services.
- Implemented **Kubernetes** monitoring and logging solutions, such as Prometheus and ELK Stack, for real-time visibility into the cluster.
- Directed **Python-based API development**, delivering robust and efficient solutions that reduced response times by 25% and scaled to handle 10x more concurrent requests.
- Spearheaded the design and development of **distributed systems** to efficiently manage and process communication tower data. This architecture reduced response times by 60% compared to previous services.

Frontend-Developer Intern	**Bosler**	*Remote, FRANCE*	**07/2021 - 06/2022**

- Worked in cross-functional teams with designers, product managers, and developers to improve user accessibility by 15% by integrating user feedback into the product design and development process which was highly appreciated by our clients.
- Analyzed research data, synthesized findings, and created actionable recommendations such as user personas, journey maps, and user flows to visualize and communicate user insights to the broader team to inform product design and development.
- Collaborated in the creation and maintenance of a UX research repo, organizing research artifacts, and ensuring accessibility for the team.
- Engineered new components for a **big data** platform with the goal of managing and visualizing millions of data on the platform itself and using that data to help multiple partners drive their business successfully and get more customers using **React**, **Redux**, **Javascript**, and **D3**.
- Developed "**Kepler**" which handles around 90% of clients' **big data visualization** in the form of charts using **Apache E-charts**.
- Increased application capabilities to render more animated 3D objects by almost 10 times by upgrading the framework to **three.js**
- Proficiently applied object-oriented, test-driven, and responsibility-driven design principles to architect and develop software solutions that are maintainable, extensible, and highly testable.

Projects

- **Guardian of The Grid:** Engaged in hackathon competition hosted by [NextEra Energy](#) to drive innovations in the energy sector **(09/2023)**
- **Break Through Code:** Developed a dynamic web application challenging users to decode progressively complex levels **(10/2021)**

Leadership

- **Webmaster:** Led a small team of web developers to design multiple events and worked under the head of the CS department **(02/2023)**
- **Coordinator:** Served Robotics Club at DDUC as coordinator, assigning and explaining projects to juniors **(05/2020 - 04/2022)**
- **EYRC Robotics:** led a team to design and control a **robotic arm** using **Gazebo, ROS, and Python.** Got placed among the top 10 **(03/2020)**