MOHAMMAD ASHIF

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Summary

Analytical and dynamic developer seeking a **Software Engineering Intern** position, where I can apply my technical skills, creative problem-solving, and passion for technology to contribute to innovative projects and gain valuable hands-on experience in a fast-paced environment.

Skills

- C/C++ | Java | **JavaScript** / Typescript | **React** | Redux | **HTML/CSS** | **Python** | PhP | Ruby on Rails | Node | Express | Figma | Three.JS | Git
- MongoDB | MySQL | **PostgreSQL** | Spring | Django | Jenkins Pipelines | IoT protocols | MQTT | CoAP | **Load balancing** | **Sharding**
- Google Cloud Platform | OAuth | Azure | Cloud Computing | Docker | Kubernetes | Salesforce development | CI/CD | Spring Boot | Jest
- Microfrontend | Microservices | **Data Structures and Algorithm** | GSAP | D3 | Jira | Problem-solver | Shell | Agile | Linux | GitHub

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*	**06/2018 - 05/2021**

- Major in Computer Science, 8.35/10 CGPA

Work History

Software Engineer	DELL	*INDIA*	**02/2023 - 07/2023**

- 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%.
- 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.
- Continuous Integration/Deployment Pipeline Integration, pull requests, code reviews, software engineering, unit/integration/e2e testing

Full-stack Software Engineer	Amantya Technologies	*INDIA*	**06/2021 - 06/2022**

- 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.
- Led the seamless incorporation of **OAuth**, fortifying system security and enhancing **user authentication** efficiency by an impressive 25%, culminating in a robust and user-friendly authentication ecosystem.
- Revitalized a legacy system by migrating it to **Spring Boot**, resulting in a 30% reduction in response time and a 20% increase in overall system efficiency, demonstrating proficiency in Java, microservices architecture, and optimizing code performance.

Frontend-Developer Intern	Bosler	*Colomiers, FRANCE*	**10/2020 - 05/2021**

- 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.
- 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**.
- Increased application capabilities to render more animated 3D objects by almost 10 times by upgrading the framework to **three.js**

Projects / Leadership

Kepler		**10/2020 - 05/2021**

- Designed and implemented dynamic data visualization solutions, utilizing tools such as D3.js, React, Apache e-charts, Flexbox, and CSS3, including a responsive dashboard for real-time handling and visualization of large datasets.

Webmaster/Coordinator	University of Delhi	**10/2020 - 05/2021**

- Conducted event reviews, managed budgeting and vendor negotiations, and maintained client relationships
- Developed a high-performing team focused on quality, safety, cost-effectiveness, and improved reach by creating multiple event sites.