

JUNAID ARHAM

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SUMMARY

Software Engineer with 7+ years of experience in building scalable web applications, optimizing performance, and improving engineering processes. Proficient in **JavaScript**, **TypeScript**, **React**, and backend frameworks like **NestJS**, with a focus on reusable architecture, clean code, and system-level thinking. Strong advocate for documentation, testing, and team-wide best practices.

WORK EXPERIENCE

Bespoke Metrics Inc. • Toronto, Canada

March 2023 – Present

Frontend Tech Lead

- Architected and developed reusable component libraries using React.js, improving code maintainability and accelerating development.
- Promote high quality deliverables by implementing code testing frameworks, utilizing performance-enhancing tools, and updating products according to technical advancements to ensure client satisfaction
- Optimized application performance by introducing lazy loading, code splitting, and other performance-enhancing techniques, resulting in a 45% improvement in load times.
- Ensured code quality and consistency by implementing linting, testing frameworks (Jest, Cypress, Enzyme, React Testing Library), and comprehensive documentation.
- Kept abreast of industry trends and emerging technologies, integrating new tools and methodologies to improve development processes and product performance.
- Proposed and implemented service contracts using TypeScript interfaces shared across frontend and backend, ensuring alignment in API evolution and reducing integration bugs by over 50%.

Senior Frontend Engineer

- Implemented advanced frontend features using JavaScript, HTML5, and CSS3, ensuring a rich and interactive user experience.
- Integrated and maintained third-party libraries and APIs, streamlining development processes and enhancing application functionality.
- Conducted performance audits and applied optimization techniques, reducing page load times and improving overall application speed.
- Participated in user testing and feedback sessions, translating user insights into actionable improvements for the frontend interface.

Chegg Inc.

March 2020 – April 2022

Software Engineer III

- Handling Frontend Development of the Web Applications aimed at providing internship and job opportunities to the students
- Complete end-to-end application software testing using the Selenium library to ensure a better user experience and accessibility.
- Worked in improvising performance of software applications adhering to the Web Vitals Fundamentals. Developed React Redux-based applications adhering to the principles of JSON API and GraphQL. Contributed to various Knowledge sharing sessions presenting cutting-edge technologies like React Native, and Javascript.
- Applied TypeScript's best practices including strict typing, interfaces and generics to ensure consistent coding standards across the development team.
- Integrated NestJS with GraphQL and REST APIs for internal tooling and customer-facing dashboards, leveraging TypeORM and Prisma where needed, while maintaining end-to-end type safety with strict TypeScript rules.
- Collaborated directly with Product and Design to influence roadmap decisions, providing feasibility assessments, estimating complexity, and ensuring architecture scaled with evolving business goals.

1mg Technologies

September 2018 - March 2020

Senior Software Engineer

- Developed Web Applications to provide an efficient and improvised order fulfillment experience.
- Worked on building a Progressive Web Application for 1mg.
- Developed Hand-Held Device-based mobile applications specific to barcode scanning, receipt printing automation, and invoice generation algorithms.
- Adhering to the REST APIs standard developed APIs based on Node and Express.js.
- Utilized TypeScript's advanced features, such as union types and advanced types, to optimize application performance and reduce technical debt.
- Mentored a team of engineers in adopting NestJS best practices, including layered architecture, DTO validation with class-validator, and middleware usage — reducing onboarding time and bug rates significantly.
- Mentored mid-level engineers and organized architectural review sessions to promote consistent practices across services built in NestJS, React, and Node.js, driving alignment on tech debt resolution and code quality.

Yellow Straw Advertising

January 2018 - May 2021

Software Engineer

- UI for enterprise automation applications using AngularJS and Bootstrap.
- Worked on the GraphQL based APIs of Facebook.
- End to End development of Web Applications. Developed and Maintained Web Vital standards adhering to the SEO and performance optimizations.

Software Engineer

- Created an innovative queue predictor application using React JS.
- Worked on prescription generator application.
- Built custom decorators and interceptors in NestJS to handle logging, request tracing, and validation logic, resulting in consistent observability and reducing debugging time by 60% across distributed services.

ACADEMIC PROJECTS

- Websites using Bootstrap and YouTube API
- Web Apps based on React JS and Angular with React Material and Angular Material as their UI frameworks respectively

SKILLS

- Software development • Web Applications Development • Process Optimization • Performance Enhancement • Reusable Component Libraries • Test Driven Development • Team Management • Automation • Technical Documentation • Critical Thinking

TECHNICAL SKILLS

Programming Languages

- JavaScript • Python

Databases

- NoSQL • MongoDB

Tools and IDE

- VSCode • WebStorm • Vim
- Git • Gitlab • Swagger • Babel
- Figma • Invision
- Gulp • Yarn

Technologies

- HTML5 • CSS3 • React JS • TypeScript • Next JS
- NodeJS • ExpressJS • NestJS • GraphQL • JSON Schema
- Docker • Jenkins • CircleCI
- Webpack • Gulp • Yarn • REST API Standards
- jQuery • Redux • Bootstrap • Material UI • Ant Design

EDUCATION

University of Delhi

Bachelor of Technology, Computer Science

Durham College

Diploma in Data Analytics

HONORS & CERTIFICATES

- **Introduction to Modern Application Development**
Application Developer Certificate awarded by National Program on Technology Enhanced Learning
- **Practical Guide to GraphQL**
[Certificate by Educative](#)

PUBLICATIONS

- **Artificial Immune System and its Applications in National Security – 04/2017**
- **Live Variable Analysis & its Applications in Register Allocation Techniques – 06/2016**