Ayushi Badola

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OBJECTIVE

An experienced full stack developer with 4 years of hands-on experience in developing dynamic web applications from concept to deployment.
With expertise in both front-end and back-end technologies, I thrive in fast-paced environments and excel at collaborating with cross-functional teams to deliver high-quality, scalable solutions that drive business growth.

EDUCATION

Indira Gandhi Delhi Technical University for Women, New Delhi M-Tech (CSE)

July 2017 - July 2019

Graphic Era University (GEU), Dehradun - B-Tech(CSE) July 2012 - July 2016

MAJOR ACHIEVEMENTS

- M-Tech Thesis research paper published in Intelligent Data Communication Technologies and Internet of Things at Springer, Nature Switzerland.

- GATE Qualified in 2017 and Teaching Assistant (TA) during M-Tech to avail GATE scholarship.

- Speaker at DevFest'19 Delhi organized by Google Developer Group at Westin, Gurgaon.

Programming Skills

- Javascript : Advanced
- NodeJS   : Advanced
- ReactJS   : Advanced
- HTML5   : Advanced
- CSS3   : Advanced
- Angular8   : Intermediate
- Java   : Beginner
- Python   : Beginner

PROFESSIONAL SKILLS

- Proficiency in React.js framework and its core principles. Experience with state management libraries like Redux. Knowledge of React Hooks for functional components.

- Familiarity with React Router for client-side routing. Awareness of performance optimization techniques in React applications.

- Ability to work with styling libraries like styled-components or CSS Modules.

- Proficiency in Node.js runtime environment and its asynchronous nature. Awareness of security best practices in Node.js applications.

- Experience with Express.js or other Node.js frameworks for building RESTful APIs. Understanding of event-driven architecture and event loop in Node.js.

- Familiarity with authentication and authorization mechanisms like JWT or OAuth.

- Ability to work with databases like MongoDB, PostgreSQL, or MySQL using ORMs or raw queries.

- Knowledge of Docker and containerization for Node.js applications.

- Proficiency in HTML5, CSS3, and modern JavaScript (ES6+). Understanding of responsive web design principles and mobile-first approach.

- Knowledge of front-end build tools like Webpack.

- Knowledge of browser developer tools for debugging and performance profiling.

- Experience with version control systems like Git. Experience with continuous integration and continuous deployment (CI/CD) pipelines.

- Ability to work with RESTful APIs and understand HTTP protocols.

- Strong problem-solving skills and ability to troubleshoot technical issues efficiently.

WORK EXPERIENCE

QAD Inc., Mumbai — *Software Engineer*
February 2023 - PRESENT

- Leveraged in-depth product training sessions and knowledge transfer (KT) sessions to gain a comprehensive understanding of QAD's suite of products and their functionalities.

- Applied insights gained from product training sessions to develop custom web solutions. Collaborated with cross-functional teams to design and implement innovative solutions, contributed to development and maintenance of responsive web applications using cutting-edge technologies such as React.js, Node.js, MongoDB and progress.

- Provided ongoing support and maintenance for previously released modules built with HTML5 and CSS3, ensuring the continued stability and functionality of critical software components.

- Demonstrated a strong commitment to professional development by pursuing additional training and certifications outside of regular work hours, further enhancing skills and expertise in web development technologies.

RSG Media Systems Pvt. Ltd., Gurgaon — *Full Stack Developer*   April 2021 - November 2022

- Worked in RightsLogic product, a critical component of RSG Media System's suite of solutions, utilizing React, Node.js, and PostgreSQL.

- Designed and implemented scalable and maintainable features within RightsLogic, leveraging best practices.

- Developed a robust data access layer using an Object-Relational Mapping (ORM) framework, ensuring efficient and consistent interaction with the PostgreSQL database.

- Mentored junior developers in adopting new technologies and methodologies, fostering a culture of continuous learning and professional growth within the team.

- Actively participated in code reviews and provided constructive feedback to ensure code quality, adherence to coding standards, and maintainability of the codebase.

- Implemented comprehensive testing strategies, including unit tests, integration tests, and end-to-end tests, to validate the functionality and reliability of RightsLogic features.

Valiant Communications, Delhi — Backend Developer January 2021 - April 2021

- Developed and maintained backend server with NodeJS, express and MongoDB, contributing to the overall functionality and performance of the application.

- Worked on the development of RESTful APIs, facilitating seamless communication between front-end interfaces and backend systems. Integrated third-party services and APIs to enhance functionality and deliver comprehensive solutions.

- Contributed to the documentation of technical specifications and architectural designs.

- Demonstrated adaptability and a willingness to learn new technologies and tools, quickly ramping up on project requirements and contributing to project deliverables.

Shapeman Consultancy, Backend Developer October 2020 - December 2020

- Contributed in backend development using Next.js framework, catering to the unique requirements of a prominent African client at Shapeman Consultancy.

- Collaborated closely with the client's technical team to understand their business objectives and translate them into scalable and robust backend systems, fostering strong client relationships and trust.

- Demonstrated agility and quick learning in mastering Next.js concepts and methodologies within the fast-paced startup environment, delivering high-quality solutions under tight deadlines.

- Demonstrated strong problem-solving skills and a proactive attitude in troubleshooting issues and optimizing performance, resulting in streamlined processes and improved product quality.

- Embraced the startup culture of innovation and experimentation, actively seeking opportunities to explore and implement emerging technologies and best practices in backend development.

Wizni Inc. , Gurgaon — Software Engineer
March 2020 - October 2020

- As a pivotal member of the Wizni Inc team, worked on the front-end development for the innovative "LendWize" project, a cutting-edge financial platform revolutionizing lending processes.

- Collaborated closely with UX/UI designers to translate design mockups into interactive, intuitive user interfaces. Utilized Angular's powerful templating and data binding capabilities to create seamless user experiences, optimizing workflows and enhancing usability. Created dynamic components, enhanced interactivity, and ensured cross-browser compatibility.

- Implemented end-to-end testing solutions using Protractor to ensure the functionality of the LendWize application. Designed comprehensive test suites and scenarios to validate critical workflows, including user authentication, form submissions, and data visualization.

- Leveraged Jasmine to write expressive and maintainable test cases for Angular components and services. Developed unit tests to verify business logic, input validation, and error handling, ensuring code quality and stability throughout the development lifecycle.

- Implemented performance optimization strategies to enhance the responsiveness and efficiency of the LendWize application. Employed lazy loading techniques, asynchronous data fetching, and caching mechanisms to minimize load times and improve overall user experience.

- Implemented robust authentication and authorization mechanisms to safeguard user data and ensure regulatory compliance. Leveraged Angular's built-in security features and industry best practices to authenticate users, manage sessions, and enforce access controls.

- Actively participated in Agile development methodologies, contributing to sprint planning, daily stand-ups, and sprint reviews.

EXPERIENCE- Internship

Keysight Technologies, Manesar, Gurgaon — *R&D Intern* **January 2019 - October 2019**

- During my tenure as an R&D intern at Keysight Technologies, I gained invaluable insights into cutting-edge technologies and industry practices. A highlight of my role was my proficiency in understanding and performing Blackbox testing on BenchVue, a powerful software platform, to streamline data acquisition and analysis processes.

- Additionally, I spearheaded a pivotal project aimed at enhancing the operational efficiency i.e. "Inventory control management system". Main idea was to help employees keep track of available instruments in inventory. Leveraging my expertise in the MEAN stack (MongoDB, Express.js, AngularJS, Node.js), I developed a robust Inventory Control Management system from the ground up.

- This experience honed my ability to thrive in fast-paced environments and reinforced my commitment to innovation-driven problem-solving.

M-Tech Thesis Topic: Design and Development of an Internet of Things based product to test and measure instruments.
Web application developed to solve the issue of portability of instruments, so that live fetching of data can be made possible from instruments and stored in cloud, further displayed in the web application developed using MEAN (MongoDB, Express.js, Angular 7, NodeJS) stack.
The app interacts with the cloud to fetch live data from instruments at real-time and remotely. It is a prototype, thus sensors and resistors in parallel were used to get readings, e.g., voltage, current and thus further these readings can be analyzed easily by developers as they are depicted in graphical form.
Filtering of complete data is done based on date and time, as required by the user. It was developed to overcome the portability issue and using ThingSpeak cloud technology, data is safe and accessible everywhere.