

ANU PRASANTHI POTHULA

Senior Software Engineer

Toronto | +1 (437) 974-5872 | anuprasanthipothula@gmail.com

LinkedIn: <https://www.linkedin.com/in/anu-pothula-3a7716182/>

GitHub: github.com/anuPrasanthi

PROFESSIONAL SUMMARY

A results-oriented Senior Software Engineer with over 6+ years of experience in building scalable, high-performance web applications. Specializing in React.js, Node.js, AWS, and microservices architecture, I have a strong ability to deliver dynamic, user-centric solutions. My background also includes proficiency in Java and Spring Boot, enabling me to work effectively across both front-end and back-end domains. Skilled in designing RESTful APIs, implementing CI/CD pipelines with Jenkins, and optimizing performance. Known for leading Agile teams, mentoring junior developers, and delivering innovative solutions that align with business objectives

TECHNICAL SKILLS

- Frontend: HTML5, CSS/CSS3, LESS, SASS, Bootstrap, Material UI, ES6+, JavaScript, TypeScript, React.js, Redux.js, Next.js
 - Backend: Node.js, Express.js, REST, Java, Spring Boot, MongoDB, GraphQL, AWS (EC2, Lambda, S3)
 - Testing: Jest.js, Jasmine, Junit, Postman
 - Version Control: Git, Github, Bitbucket, SVN
 - Tools: Webpack, Babel, NPM, Jira, CI/CD (GitHub Actions, Jenkins)
-

PROFESSIONAL EXPERIENCE

Amiggi, Canada

July 2023 – Present

(Client: Frontier Internet)

Senior Software Engineer

Project: Partner Portal

- Spearheaded the development of the Partner Portal using React.js, Redux.js, Node.js, and Material-UI, delivering a seamless, high-performance user experience.
- Leveraged React.js, Redux.js, and Node.js to build robust and maintainable front-end architectures.
- Utilized Material-UI and CSS to create responsive, visually appealing, and user-friendly interfaces.
- Developed and maintained code using JavaScript and TypeScript, ensuring type safety and scalability.

- Automated CI/CD pipelines using GitHub Actions to streamline code deployment, reducing manual integration errors.

Key Contributions:

- Reduced page load time by 25% by optimizing React components and implementing code splitting.
- Improved code maintainability by refactoring legacy components, reducing technical debt, and enhancing code reusability, which resulted in a 30% faster development cycle.
- Worked closely with cross-functional teams, including backend developers, designers, and QA engineers, to deliver features on time.
- Created efficient and responsive user interaction screens using HTML5, CSS3, JavaScript, jQuery, Ajax, and JSON for dynamic content.
- Created reusable components with Material-UI, reducing development time and ensuring consistent UI.
- Utilized React's lazy loading and dynamic import features to implement code splitting, reducing initial load times and improving application performance.
- Incorporated advanced Material-UI features, such as custom themes and styled components, to enhance visual consistency and customization of the user interface.
- Leveraged TypeScript's advanced type features to create type-safe APIs and improve development efficiency and error detection.
- Expanded Jest.js test coverage to include edge cases and asynchronous components, increasing overall reliability and robustness of the application.
- Integrated JWT-based authentication in Node.js and Express.js to ensure secure user logins and session management.
- Utilized tools like Axios for optimized API calls and implemented caching strategies to reduce unnecessary network requests and improve data retrieval times.
- Led successful projects from inception to completion using Agile methodologies, managing milestones, risk assessment, and cross-functional collaboration to ensure timely delivery.
- Integrated performance monitoring tools, such as React Profiler and Lighthouse, to continuously track and optimize application performance.
- Automated build and deployment processes using tools like Webpack and CI/CD pipelines (e.g., GitHub Actions, Jenkins) for streamlined releases and efficient code integration.
- Implemented AJAX and JSON in application-level code to interact with APIs and RESTful web services, improving data exchange processes.

Deloitte (Client: Axis Bank)

Nov 2022 – June 2023

Technical Lead

Project: Axis Mutual Funds

- Led and coordinated frontend development projects, ensuring timely and high-quality delivery.
- Worked closely with designers, backend developers, and stakeholders to deliver a cohesive and seamless user experience.
- Ensured the highest standards of code quality through code reviews, enforcing best practices, and maintaining coding standards.
- Designed and implemented scalable and maintainable frontend architectures, focusing on performance

optimization and user experience.

- Provided mentorship and guidance to junior developers, fostering a collaborative and knowledge-sharing environment.
- Developed and implemented security measures for post-deployment analysis and risk mitigation in web applications, ensuring data integrity and adherence to compliance standards.
- Experience with building and optimizing GraphQL APIs, integrating them into full-stack applications, and handling queries, mutations, and subscriptions.
- Expertise in designing scalable GraphQL schemas, defining types, queries, mutations, and implementing schema stitching and federation.
- Implemented responsive design principles to ensure web applications function flawlessly across various devices and screen sizes.
- Identified and addressed performance bottlenecks, optimizing applications for speed and efficiency.
- Acted as a liaison between the frontend team and other departments to ensure alignment on project goals and timelines.
- Provided leadership in API design, ensuring the backend APIs built with Node.js/Express were secure, maintainable, and optimized for scalability, supporting thousands of concurrent users.
- Conducted performance tuning for backend processes in Node.js, which resulted in a 20% decrease in response time for key financial data retrieval functions.

**Mphasis Limited,
Software Engineer**

May 2021 – Oct 2022

Project-1: Edge Price Forbes

- Responsible for developing Edge Price Forbes Online.
- Experience in using Confluence for mock designs.
- Used React.js with Redux for logical programming and Material-UI for beautification.
- Added media queries and Material UI for responsive application.
- Utilized Jest framework for test cases.
- Tested in Chrome, Microsoft Edge for debugging tools.
- Experienced in using Agile methodologies.
- Involved in using React.js reusable components, forms, keys, lists, RBAC, router, API integrations, and dashboards.

Project-2: RBS (Royal Bank of Scotland)

- Part of developing the RBS project.
- Designed dynamic and browser-compatible pages using HTML5, CSS3, Material UI, React.js, and JavaScript.
- Created React class-based reusable components and Redux for frontend.
- Experienced in DOM, props for data transfer, lifecycle methods, and state management.
- Developed Redux unidirectional data flow components.
- Responsible for maintaining branch code deployment in GitHub.

- Analyzed and developed Ajax calls by passing JSON data.
- Utilized Contentful tool on the server side.
- Experienced in designing and generating emails.
- Operating system: Windows, macOS.

Adecco (Client: WayCool Foods & Products Pvt Ltd)

Nov 2020 – April 2021

Software Engineer

Project: My-Price

- Responsible for developing My-Price for the total frontend.
- Used React.js with Redux Flux for logical programming and Material-UI for beautification.
- Managed the state of the application using Redux, ensuring that user sessions, pricing data, and other essential application states were consistently handled across the app.
- Employed Object-Oriented Programming principles to create reusable UI components and enhance modularity across web applications.
- Employed JavaScript (ES6+) to implement various features like form validation, user input processing, and API call handling, ensuring a smooth user experience.
- Implemented login, validations, roles, latitude, and longitude for location control.
- Used Axios for HTTP/HTTPS requests and attached Bearer token for secure usage of API.
- Built RESTful APIs using Spring Boot and Spring MVC to handle user authentication, pricing data, and transaction management for the My-Price platform
- Integrated databases like MongoDB and MySQL to ensure efficient data storage and retrieval for applications.
- Facilitated communication between applications by integrating SOAP and RESTful web services, ensuring efficient data exchange and smooth operations.
- Used Spring Data JPA with Hibernate for efficient handling of MongoDB data, optimizing performance and scalability.

Nipun Net Solutions,

June 2018 – Oct 2020

Software Developer

Project: Asset Management

- Developed responsive and user-friendly interfaces using React.js, ensuring smooth user interaction with real-time data updates from the backend.
- Worked with HTML5, CSS3, and JavaScript (ES6+) to create modular, reusable components that adhered to modern frontend standards.
- Leveraged Axios for secure and efficient HTTP requests, handling API calls to fetch asset data and update the frontend based on backend responses.
- Developed and optimized backend services using Java 8 and Spring Boot, implementing

RESTful APIs for asset management and administrative tasks.

- Utilized Spring Data JPA and Hibernate for efficient object-relational mapping (ORM), enabling smooth data interaction with the MySQL database.
 - Good experience in React.js for creating interactive UI using one-way data flow, Virtual DOM, and JSX.
 - Developed RESTful CRUD APIs using JAVA/J2EE for managerial activities like create, request, allocation, and approval of assets.
 - Worked extensively with Java Collections (List, Map, Set) to handle complex data structures and optimize backend processing for asset-related operations.
 - Integrated Spring Security for role-based authentication and authorization, ensuring secure access control to various system modules.
 - Built and deployed Spring MVC applications to create RESTful endpoints, which allowed seamless data communication between frontend and backend.
 - Used Spring Boot to implement microservices architecture, optimizing scalability and maintainability of the asset management platform.
 - Wrote unit tests with JUnit to ensure backend logic was reliable and bug-free, adhering to high standards of code quality.
 - Applied Jenkins for continuous integration (CI) and Maven for build automation, ensuring smooth development and deployment pipelines.
-

PERSONAL PROJECTS

- Developed a web app to manage my favorite movies list, which includes CRUD operations on Node.js and React.js routing on the frontend.
 - Developed an e-commerce site (GlamUp) with a sleek UI, which includes creating and updating shopping lists. Technologies involved are Node.js and React.
-

CERTIFICATIONS

- React: <https://www.hackerrank.com/certificates/iframe/3dbe74721bed>
-

EDUCATION

Bachelor of Engineering (B.E.) in Electronics and Communication

SRKR Engineering College, Andhra Pradesh

July 2014 – May 2018