Abdul Jabbar

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BE in Computer Science and Engineering

Government College of Engineering, Bodinayakkanur

🐙 abduljabbarcse

🔗 Abdul Jabbar

PROFESSIONAL PROFILE

Results-driven Full Stack Engineer with 1.8 years of hands-on experience developing enterprise-grade web applications. Specializes in JavaScript ecosystems with proven expertise in building geospatial analytics platforms using React, Node.js, and GraphQL. Demonstrated ability to architect scalable micro-frontend solutions and implement complex data visualization systems. Combines deep technical knowledge of modern web frameworks with practical experience in optimizing data pipelines and containerized deployments for maritime analytics applications.

EXPERIENCE

- **Software Engineer** *May 2024 - Present*

  Full-stack development of Marisec-AI maritime analytics platform Heinwig Technologies Pvt Ltd

  – Developed 2 micro-frontend applications using **React.js**, **Vite module federation**, and **Material-UI**, implementing vessel tracking dashboards with **React Map GL**, **Mapbox GL**, and **D3.js** visualizations.
  – Built **GraphQL** endpoints (Node.js + Apollo Server) aggregating maritime data, reducing API response size by 40% compared to REST. Implemented real-time updates via **GraphQL subscriptions**.
  – Created advanced geospatial features including:
    * Dynamic map styling with conditional layer visibility
    * GeoJSON upload/export for custom shape creation
    * Turf.js-powered geospatial calculations
    * Mapbox Draw integration for user-drawn annotations
  – Engineered state management solution using **Apollo Client makeVar** for cross-application persistence of filters and map configurations.
  – Developed authentication flows with **JWT** and integrated REST endpoints for user management.
  – Implemented data visualization components using **MUI X-Charts**, **D3.js**, and **React-QueryBuilder** for custom analytics.
  – Containerized applications using **Docker** and configured **Nginx** reverse proxy, improving deployment efficiency.
  – Utilized **React Hook Form**, **Redux Toolkit**, and **React Router** for application state management and navigation.

- **Junior Software Developer** *Sep 2023 - Apr 2024*

  Full-stack development of industrial data management systems Ascending Software

  – Built role-based access control dashboard using **Blazor Server**, **SignalR**, and **Chart.js** for real-time industrial data visualization.
  – Developed responsive UIs with **Bootstrap** and **jQuery**, improving user experience by 25%.
  – Optimized SQL queries and database structure, reducing report generation time by 30%.
  – Implemented secure authentication flows and API integrations using **C#** and **ASP.NET Core**.

- **Web Development Intern** *July - Aug 2022*

  Frontend development and UI/UX improvements NSIC-Alandur

  – Developed responsive web interfaces using **HTML5**, **CSS3**, and **JavaScript**.
  – Improved website performance by 15% through image optimization and code splitting.
  – Implemented Git version control for team collaboration.

TECHNICAL SKILLS

Frontend Development: React.js, React Native, Vite.js, Material-UI, Tailwind CSS, Bootstrap, Redux, React Map GL, Mapbox GL, D3.js, Chart.js

Backend Development: Node.js, Express.js, Apollo Server, GraphQL (Subscriptions/Queries), REST APIs, WebSockets, JWT Authentication

Programming Languages: JavaScript (ES6+), TypeScript, HTML5, CSS3, Sass, C#, SQL

Geospatial Technologies: Mapbox GL, Turf.js, GeoJSON, React Map GL, Mapbox Draw

Databases & ORMs: MongoDB (Mongoose), MySQL, Advantage Database Server

DevOps & Deployment: Docker, Nginx, Vite Module Federation, Micro-frontend Architecture

Development Tools: Git/GitHub, Postman, Chrome DevTools, Jira, Figma, Azure Data Studio

Methodologies: Agile/Scrum, Test-Driven Development, CI/CD Practices

EDUCATION

- **Bachelor of Engineering in Computer Science and Engineering** *2019-2023*

  Government College of Engineering, Bodinayakkanur CGPA: 7.9