BINEL BIJU

MERN Stack Developer

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PROFILE SUMMARY

Autodidactic **MERN stack developer** with hands-on experience in **React** and **Node.js**. Proficient in building scalable full-stack solutions using **MongoDB**, **Express.js**, and cloud technologies like **AWS**. Adept at working in collaborative team environments, driven by **adaptability** and a commitment to **continuous learning**.

SKILLS

Programming Languages:	Typescript, JavaScript, C++, C
Frontend Development:	HTML, CSS, React, Redux, Tailwind CSS, Bootstrap, EJS (Embedded JavaScript), AJAX
Backend Development:	Node.js, Express.js, Mongoose, REST API, GraphQL, MVC Architecture, Websockets, CLEAN Architecture
Database:	MongoDB, PostgreSQL, Firebase, MySQL
Cloud and DevOps:	AWS (EC2, S3, Route53), NGINX, PM2,
Version Control:	Git, GitHub, GitLab, GitHub Actions
API Integration:	Google API, Meta API, Razorpay, nodemailer
Testing and Debugging:	Postman
Security and Authentication:	JWT, OAuth 2.0, HTTPS, TLS
Deployment:	AWS EC2
Collaboration Tools:	Figma
Data Structures and Algorithms (DSA)	

PROJECTS

4JOBS - Professional Networking Platform   Live — GitHub

A comprehensive professional networking platform similar to LinkedIn, offering features like user profiles, job postings, real-time messaging, and secure document handling. The platform includes premium subscription options, OAuth authentication, and robust security measures to protect user data.

- Engineered a **full-stack professional networking platform** using **TypeScript**, **React**, **Redux Toolkit**, **Node.js**, **Express.js**, and **MongoDB** with comprehensive testing using **Jest** and **Supertest**.

- Implemented advanced frontend features using **Material-UI**, **Tailwind CSS**, **Chart.js** for analytics, and **React Hook Form** with **form validation**, creating a responsive and user-friendly interface.

- Developed secure authentication system using **JWT**, **Google OAuth**, and **Bcrypt** with **session management**, implementing **Redux Persist** for state persistence.

- Built robust security infrastructure using **Helmet**, **Express Rate Limit**, **Express Validator**, **MongoDB Sanitization**, and **XSS protection** for enterprise-grade security.

- Created real-time communication features using **Socket.IO** for instant messaging

- Engineered secure file handling system using **Multer**, **PDF Parse**, **PDFKit**, and **AWS S3** integration for resume storage and processing.

- Integrated **Razorpay** payment gateway with secure transaction handling and **Nodemailer** for automated email notifications.

- Implemented **Clean Architecture** and **SOLID principles** using **Inversify** for dependency injection and **TypeScript decorators**.

- Deployed application using **DigitalOcean Droplets**, **Nginx**, and **PM2** for process management

4Watches - E-commerce Website   Live — GitHub

A specialized e-commerce platform for watches, featuring categorized shopping experiences for men, women, and children. The website includes secure payment processing, user authentication, and a design optimized for online shopping.

- Developed a comprehensive online shopping platform integrating **Express**, **Node.js** and **MongoDB** for seamless functionality.

- Integrated **ejs HTML templates** with **Bootstrap**, ensuring visually appealing interface. Engineered a robust backend with **Node.js**, ensuring efficient data processing and a smooth shopping journey.

- Deployed and hosted the Fashion Blend website on **AWS EC2**, ensuring reliable performance and scalability for an optimal online shopping experience.

- **Technologies Used: MongoDB, Express.js, Node.js, EJS, Razorpay, Twilio, EC2, Route53, Bootstrap, Nginx, Google API, sharp, multer, cropie.js**

MINI PROJECTS

4blogs.fun - Full-Stack Web Application   GitHub

A blogging platform where users can create, read, and share articles with authentication features and a modern, responsive interface.Built a full-stack blogging platform using MERN stack with Redux state management.Implemented JWT authentication, responsive UI with Tailwind CSS, and features for article creation

4URL.site - URL Shortener Service   GitHub

A URL shortening service that not only converts long URLs into shorter, manageable links but also provides analytics tracking for link usage, including click counts and visitor device information.Developed a URL shortening service with React/Redux frontend and Node.js/Express backend with MongoDB. Integrated analytics tracking for shortened URLs including click counts and device info using express-useragent

EXPERIENCE

Field Service Executive

V3 NETWORKS (Vendor For TATA TELESERVICES LTD)   2018 - 2020

- Conducted feasibility surveys for installation requirements and network upgrades.

- Installed and activated multiplexers to optimize network functionality.

- Maintained connectivity standards and service quality for client networks.

EDUCATION

MERN Stack Development   2024 - Present
Brototype, Packapeer Academy PVT LTD

Bachelor of Business Administration in Data Analytics   2020 - 2023
The Oxford College of Business Management - Bangalore University

Bachelor of Science (Physics, Mathematics, Computer Science)   2015 - 2018(ongoing)
The Oxford College of Science - Bangalore University