ARJUN T S

FULL STACK DEVELOPER

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[GitHub](#) | [LinkedIn](#) | [Portfolio](#)

SKILLS

- **Languages and Frameworks** - JavaScript, TypeScript, Express.js, .NET, C#

- **Front-end Development** - Angular 16, NGRX, JQuery, HTML, CSS, Bootstrap, Handlebars, Embedded JavaScript

- **Back-end Development** - Node.js, Express.js, .NET Core, API design and integration, Mongoose, JWT (JSON Web Token)

- **Familiar with** -MongoDB Experience, PostgreSQL, MSSQL, Razorpay Integration, Cloudinary, Multer, Twilio, AWS-EC2, Route-53, NGINX, IIS (Internet Information Services), Git, Postman, Figma, VS Code, Microsoft Visual Studio

- **Tools and Concepts** - Data Structures and Algorithms (Searching, Sorting, Stack, Queue, Linked List, Hash Map, Tree, Trie, Graph), NGINX, Unit Testing and Debugging, Code Review and Refactoring, Responsive Web Design

PROJECTS

EasyPassPortal - Passport Management System [GitHub](#)

EasyPassPortal simplifies passport management with application processing, tracking, and verification features.

- Optimized backend with **Dot.NET Core**, reducing system downtime by 25% and improving performance for over 10,000 users.

- Developed **cookie-based** authentication, enhancing login speed by 30% and securing user sessions.

- Built solutions for managing 200+ applications, verifying 1000+ documents, and generating detailed reports, hosted on **IIS (Internet Information Services)**.

Technologies Used - HTML5, CSS3, Bootstrap, JQuery, Dot.NET Core, C#, MSSQL, IIS.

TIREX - E-commerce Bicycle Shop [Live](#) | [GitHub](#)

Created and implemented an e-commerce application, TIREX, for bicycle sales, integrating features such as user account management, cart functionality, and secure payment processing; improved transaction efficiency by 40% and enhanced user satisfaction by 30%.

- Enhanced backend performance using **Node. js**, delivering a 40% increase in efficiency and scalability with its non-blocking, event-driven architecture.

- Integrated **Twilio** API for **OTP** services, boosting user verification efficiency by 35% and enhancing security through SMS.

- Designed and executed a **cookie authentication mechanism** that improved user session security and allowed for a smoother login experience; the tool is now adopted by over 12 **cross-functional teams**, enhancing overall operational efficiency.

- Designed admin interfaces for managing 500+ users, 1000+ products, and processing payments, hosted on **AWS (EC2)**.

Technologies Used - HTML5, CSS3, Bootstrap, Node.js, Express.js, EJS (Handlebars), MongoDB, Mongoose, RazorPay, AWS, Twilio, NGINX.

MINI PROJECTS

Netflix Angular Clone   [GitHub](#)

- A Netflix clone application built using **Angular 16**.

- Integrated the **TMDB API** to fetch and update content, improving data retrieval efficiency by 35% and ensuring up-to-date information.

AuthGuardian   [GitHub](#)

- Devised a simple User Authentication app using **Angular 16** as the front-end and **Node.js** as the back-end.

- Utilized **MongoDB** for storing and managing application data, enhancing data handling capabilities, and increasing scalability by 50%.

ASP.NET Web API   [GitHub](#)

- Constructed a **Web API** using **ASP.NET Core** with **C#** and **MSSQL**, providing a robust framework for application functionality and data management.

- Implemented **CRUD operations** to manage data persistence efficiently, enhancing data manipulation and management capabilities and reducing processing time by 25%.

EDUCATION

MEAN Stack Development   2023 - Present
Brototype, Ernakulam

Diploma in Mechanical Engineering   2019 - 2022
Malabar Polytechnic Campus, Palakkad