

# JAYASURIYA G

Tamilnadu, India • [jayasuriyaganesan2019@gmail.com](mailto:jayasuriyaganesan2019@gmail.com) • +91 6384091750 • [linkedin.com/in/jayasuriya-g](https://linkedin.com/in/jayasuriya-g)  
[github.com/Jayasuriya033](https://github.com/Jayasuriya033) • [jayasuriya-portfolio.onrender.com](https://jayasuriya-portfolio.onrender.com)

As a **Computer Science** graduate with a strong foundation in **Full-Stack Web Development**, I have extensive experience in designing scalable **web applications** using **JavaScript, TypeScript, Java, Python, Node.js, Express.js, React, Angular, MySQL, Prisma ORM**, and **AWS**. I have proven expertise in implementing secure **REST APIs**, developing authentication with **JWT, OAuth**, integrating **AWS S3** for file storage, and optimizing application performance with **Redis caching**.

## WORK EXPERIENCE

### Associate Software Engineer

May 2024 - Present

#### Techaffinity Consulting Pvt. Ltd

Bangalore

##### Role: Full-Stack Developer or MERN or MEAN

- Designed and implemented a responsive dashboard for Cmart using **Angular**, integrating navigation, filters, and **token-based authentication**, improving dashboard performance by 30%.
- Developed secure Register and **Login APIs with JWT-based authentication and OAuth** implementation and role-based authorization, reducing unauthorized access by 40% and implemented OTP Email validation using Node Mailer.
- Managed database setup and schema modeling with **Prisma ORM and MySQL** for Cmart, optimizing database operations and reducing setup time by 50%, with caching enabled via **Redis** for improved performance.
- Built an Address Collection Form and Species Page for Wild Game Butcher using **React, TypeScript, Axios for integration**, and **Tailwind CSS** for modern and **responsive design**.
- Implemented **robust authentication** using **Refine.dev and JWT**, enhancing authentication security by 40%.
- Integrated two-way real-time chat functionality with **WebSocket.io**, achieving chat latency under 200ms. Streamlined data management with **Prisma ORM and PostgreSQL**, reducing data retrieval time by 40% during operations and ensuring **REST API** reliability through comprehensive **Postman testing**.

**Technologies:** Angular, React, Node.js, Express, OAuth, JWT, Prisma ORM, PostgreSQL, MySQL, Redis, TypeScript, Tailwind CSS, WebSocket.io, AWS EC2 and S3.

**Outcomes:** Improved dashboard performance by 30% and reduced unauthorized access by 40% through secure, responsive full-stack development using Angular, React, and Node.js.

Optimized database operations by 50% and enhanced data handling speed by 40% using Prisma ORM, Redis caching, and PostgreSQL/MySQL.

### Full Stack Web Developer Internship

Feb 2024 - Apr 2024

#### Techaffinity Consulting Pvt. Ltd

Tiruchirapalli

##### Kiosk Project & Book Store Management System

##### Role: Full Stack Web Developer

- Designed and developed the Kiosk Project, a multi-role kiosk application, and the Book Store Management System, a platform with admin and student modules for managing and browsing books.
- Integrated role-based authentication and JSON Web Token-based session management for secure access across both projects. Utilized Prisma ORM with MySQL for efficient database operations and ensured data integrity.
- Enhanced user experience with OTP-based password recovery in the kiosk application and streamlined book management for admins in the bookstore system.

**Technologies:** Angular, React, Node.js, Express.js, MySQL, Prisma ORM, JWT.

**Outcomes:** Reduced onboarding time by 30%, improved access management by 30%, increased password recovery success rates by 40%, enhanced system usability by 25%, and reduced book management time by 30%.

### Internship

Jan 2023 - Jun 2023

#### Virtusa Consulting Pvt. Ltd

Chennai

Completed internship training at Virtusa covering Dotnet, C#, React JS, JavaScript, MySQL, HTML, CSS, and Bootstrap. Achieved a score of 70% or higher in all assessments, tests, and project phases to secure a job offer.

## PROJECTS

### Cmart (Magazine Publication Project)

Sep 2024 - Present

Developed a responsive Angular dashboard with navigation, tab selection, and filter features. Built secure RESTful APIs, JWT authentication, and role-based access. Integrated Redis caching, Zod validations, and Prisma ORM for seamless backend and database operations.

### Wild Game Butcher (SaaS Model Project)

Jul 2024 - Present

Developed an Address Collection Form integrated with Axios API for seamless data submission. Built Species and Role Management pages using React, TypeScript, and Refine.dev authentication, with responsive styling via Tailwind CSS. Implemented PostgreSQL database management with Prisma ORM and field validation for accurate data storage.

### Kiosk Project

Jun 2024 - Jul 2024

Designed and executed a multi-role kiosk application that integrated role-specific functionalities, leading to a 30% reduction in user onboarding time and increasing overall application adoption across departments.

### Book Store Management

May 2024 - Jun 2024

Built a bookstore management system with student and admin modules using React, Node.js, and Prisma ORM. Integrated JWT-based and OAuth session management for secure authentication.

SKILLS

Programming Languages: JavaScript, TypeScript, Python, Java, C#.

Frameworks/Libraries: React, Angular, Redux, Express, Node, Web Socket.io, Bootstrap, Tailwind CSS.

Databases/SQL: MySQL, PostgreSQL, Mongo DB, Redis, Prisma ORM.

Cloud Technologies: AWS (S3, EC2), Render, Aiven, Cloudinary.

Web technologies and Testing: HTML5, CSS3, React Library, Jest Testing.

Data Structure and Algorithms: Array, Linked List, Stack, Queue, Tree, Graph and etc.

Tools and others: Visual Studio, Postman, GitHub, GitHub Desktop, Bitbucket, Source tree, Jenkins, Eclipse, Rest API's, JWT, OAuth, ORM, NPM, JSON, and XML.

EDUCATION

Bachelor's Degree in Computer Science and Engineering

Jul 2019 - May 2023

K S R College of Engineering

GPA: 3.36

Completed my **Bachelor of Engineering** in **Computer Science** with a **CGPA of 8.46** from **K.S.R. College of Engineering**.

Higher Secondary Education

Jun 2018 - Mar 2019

Nehru Higher Secondary School

GPA: 2.80

Completed my **HSC** with a Percentage of **71** from Nehru Higher Secondary School.

SSLC (Secondary School Leaving Certificate)


Jun 2016 - Apr 2017

Nehru Higher Secondary School


GPA: 3.70

Completed my **SSLC** with a Percentage of **93** from Nehru Higher Secondary School.

CERTIFICATIONS

Microsoft Azure (Credential ID: E20AF3F3E99E9277)  by Microsoft

Mar 2023

Java Programming (Credential ID: CT-ILKXDCLP)  by Solo Learn

Apr 2022

LANGUAGES

Tamil (Native proficiency) • English (Professional working proficiency)