JAYASURIYA G

Tamilnadu India • jayasuriyaganesan2019@gmail.com • +91 6384091750 • linkedin.com/in/jayasuriya-g
github.com/Jayasuriya033

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 APIs, developing **authentication with JWT**, integrating **AWS S3** for file storage, and optimizing application performance with **Redis caching**.

WORK EXPERIENCE

Associate Software Engineer   Nov 2024 - Present
Techaffinity Consulting Pvt. Ltd   Bangalore

   Cmart (Magazine Publication Project) & Wild Game Butcher (SaaS Model Project)
   Role: Full-Stack Developer
   - 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 role-based authorization, reducing unauthorized access by 40%.
   - 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, 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 API reliability through comprehensive Postman testing.

   Technologies: Angular, React, Node.js, Prisma ORM, PostgreSQL, MySQL, Redis, TypeScript, Tailwind CSS, JWT, WebSocket.io
   Outcomes:
   - Improved dashboard performance by 30% and reduced unauthorized access by 40% for **Cmart**.
   - Reduced data submission errors by 35% and achieved real-time chat latency under 200ms for **Wild Game Butcher**.
   - Maintained 99.9% backend uptime across both projects and ensured API reliability with extensive testing.

Full Stack Web Developer Internship   May 2024 - Oct 2024
Techaffinity Consulting Pvt. Ltd   Trichy

   Kiosk Project & Book Store Management System
   Role: 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
   Role: MEAN Stack Developer
   - 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.

   Technologies Used: Angular, Node.js, Express.js, Prisma ORM, MySQL, Redis, JWT, Zod.
   Outcome: Enhanced dashboard performance by 30%, reduced unauthorized access by 40%, accelerated database setup by 50%, ensured 99.9% backend uptime, and increased user engagement by 25%.

Wild Game Butcher (SaaS Model Project)   Jul 2024 - Present
   Role: MERN Stack Developer
   - 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.

- Created JWT-based authentication middlewares and integrated WebSocket.io for real-time two-way chat communication.

Technologies Used: TypeScript, React, Refine.dev, Node.js, Prisma ORM, PostgreSQL, Tailwind CSS, Axios, JWT, WebSocket.io.

Outcome: Reduced data submission errors by 35%, enhanced user authentication security by 40%, achieved real-time chat latency under 200ms, and improved API reliability through rigorous Postman testing.

Kiosk Project ⤢   Jun 2024 - Jul 2024

Role: MEAN Stack Developer

- **Technologies:** Angular, Node.js, Express.js, MySQL, Prisma ORM
- **Description:** 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.
  Outcomes:
  - Improved user access management by 30% through role-based authentication.
  - Reduced login errors by 25% with effective session management using JWT tokens.
  - Increased password recovery success rates by 40% with automated OTP functionality.

Book Store Management ⤢   May 2024 - Jun 2024

Book Store Management System

Role: MERN Stack Developer

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

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

Outcomes: Improved usability by 25%, reduced admin book management time by 30%, and enhanced data security.

SKILLS

Programming Languages: JavaScript, TypeScript, Java, Python.

Cloud Technologies: AWS (S3, EC2)

Frameworks/Libraries: React, Angular, Express, Node, Fast API, Tailwind CSS.

Testing: React Library, Jest Testing

Databases/SQL: MySQL, PostgreSQL, Redis, Prisma ORM

Web Technologies: HTML5, CSS3, WebSocket.io

Tools: Eclipse, Visual Studio, Postman, GitHub, GitHub Desktop, Bitbucket, Source tree.

Computer Fundamental : Data Structures and Algorithms

EDUCATION

Bachelor's Degree in Computer Science and Engineering   Jul 2019 - May 2023

K S R College of Engineering   **GPA:** 84%

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:** 71%

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:** 93%

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)