BALAJI S

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SUMMARY

Full-stack engineer with experience building scalable backend systems, RESTful APIs, and enterprise web applications using ASP.NET Core, React, Node.js, and SQL Server. Skilled in performance optimization, CI/CD workflows, and developing production-ready applications across insurance and automation domains.

SKILLS

- **Programming Languages:** Java, Python, C#, JavaScript
- **Front-End:** ReactJS, HTML5, CSS3, BootStrap, TailwindCSS
- **Back-End:** ASP.Net, Node.js, ExpressJS, Flask
- **Database:** MSSQL, MongoDB, IBM DB2
- **DevOps:** Jenkins, GitHub Actions
- **Tools:** Git, GitHub, BitBucket

WORK EXPERIENCE

NOVAC Technology Solutions | Software Engineer — May 2024 - Present

- Developed and maintained scalable backend services and RESTful APIs using ASP.NET Core, improving system reliability and performance.
- Optimized complex SQL queries and stored procedures, reducing average API response times by 30–50% and improving application scalability.
- Improved release efficiency and deployment stability by configuring and maintaining CI/CD pipelines using Jenkins.
- Increased product quality and reduced regression issues through a combination of manual testing and automated QA practices.
- Collaborated with cross-functional teams across development, QA, and deployment workflows to accelerate feature delivery and streamline releases.
- Built and enhanced responsive frontend components using React, delivering intuitive and user-friendly interfaces across web applications.

Nafter Web Technologies | Back-End Developer Intern — Jan 2023 - June 2023

- Developed RESTful APIs and server-side solutions using NodeJS and ExpressJS.
- Built OAuth-based authentication system, improving the application's security posture and reducing login failures by streamlining the authentication flow.
- Optimized NoSQL database schemas for performance and data validation.

MrStudent, MrStudent Techies | Founder — Dec 2020 - June 2022

- Built and managed MrStudent Techies, a platform connecting students and businesses for technical collaboration, workshops, and internship opportunities.

PROJECTS

Nova CBS & Nova Connect | NOVAC Technology Solutions **May 2024 - Present**

- **Nova CBS**: Enhanced a web-based insurance portal for Shriram General Insurance for Individual Personal, Group Personal, Travel, and Marine Insurance. (ASP.Net, SQL)
- **Nova Connect**: Developed and maintained an agent portal for Marine Insurance using React and .NET Core.

WAW Bot **Dec 2024**

- Created a SaaS-style platform for automating customer communication workflows through WhatsApp bots.
- Developed features including auto-replies, workflow triggers, and centralized bot management.
- Focused on scalability, usability, and modular backend architecture for future feature expansion.
- **GitHub:** github.com/multiverselab/waw

Personal Portfolio **Dec 2022**

- Designed and developed a responsive personal portfolio showcasing projects, technical skills, and development experience.
- Implemented performance-focused frontend architecture and deployed using Vercel.
- Integrated project showcases and GitHub repositories for streamlined recruiter accessibility.
- **GitHub:** github.com/HVBSL/portfolio

Driver Drowsiness Prediction **Dec 2022**

- Developed a real-time driver monitoring application using computer vision techniques to detect drowsiness through live camera feeds.
- Integrated OpenCV-based facial and eye movement detection for fatigue analysis and alert triggering.
- Built Flask-based backend services for real-time processing and monitoring workflows.
- **GitHub:** github.com/HVBSL/drowsiness

EDUCATION

Annai Mira College of Engineering and Technology
BE - Computer Science · (2019 – 2023) · CGPA – 8.3

Adarsh Matric Higher Secondary School
12th, Computer Science · (2018 - 2019) · 76.8%

Adarsh Matric Higher Secondary School
10th · (2016 - 2017) · 85%