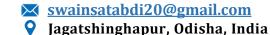
## SATABDI SATYAPRAGNYA SWAIN

**9348136969** 

in www.linkedin.com/in/satabdi-satyapragnya-swain-ab6075230



### **SUMMARY**

As a Junior Software Engineer with over 1 year of hands-on experience in full-stack web development, specialized in developing responsive, user-friendly web applications using Angular, TypeScript, HTML, and CSS for frontend development. I have experience in building robust APIs using C# and ASP.NET Web API, with strong database skills in SQL Server. Known for strong problem-solving abilities, efficient debugging, and the ability to analyze complex technical challenges to deliver clean, scalable solutions. A proactive team player with a passion for continuous learning and contributing to impactful, real-world software projects.

### **EXPERIENCE**

## Perceptron Software Labs Pvt Ltd Junior Software Engineer

Panjim, Goa June 2024 - present

- Developed and maintained 6+ full-stack web applications using Angular, TypeScript, HTML, and CSS, implementing responsive UI designs that improved user experience and usability across devices.
- Integrated **C# and ASP.NET Web APIs** for robust backend services, enabling secure and scalable communication between client and server systems.
- ➤ Designed and optimized **SQL Server** database schemas, including stored procedures and indexing strategies, reducing query response time by 30% in high-load scenarios.
- Led the integration of **RESTful APIs** in Angular applications, enhancing data synchronization and reducing frontend-backend latency by 25%.
- ➤ Developed custom role-based **authentication and authorization** logic using **Angular Guards and Product key validation**, improving application security and user access control.
- Implemented **modular architecture** and reusable Angular components, improving development speed and reducing code duplication by 40%.
- Applied RxJS and Angular Services for real-time data handling and improved component communication in dynamic, data-driven dashboards.
- ➤ Collaborated with cross-functional teams to **debug and resolve complex issues**, achieving a 95% reduction in production-level bugs through thorough problem analysis and efficient code fixes.
- Participated in **Agile** development cycles, contributing to sprint planning, daily standups, and successful delivery of enterprise-grade modules under tight deadlines.

### **SKILLS**

- Programming Languages: Type-Script, JavaScript, C#, Java, Python, SQL
- > Frontend Technologies: Angular, Angular Material, HTML5, CSS3, SCSS, Bootstrap, Responsive Web Design
- ➤ Backend & API Development: ASP.NET Web API, .NET Core, .NET Framework, RESTful API Services, LINQ, Entity Framework
- Database Technologies: SQL Server, Stored Procedures, Triggers, Schema Design, Query Optimization
- Protocols & Integrations: MQTT, RFID
- ➤ **Development Tools:** Visual Studio, Visual Studio Code, SQL Server Management Studio, Postman, Httpie, GitHub
- ➤ **Methodologies:** Agile Methodologies, Continuous Integration & Deployment (CI/CD)
- ➤ Other Skills: Debugging & Troubleshooting, API Integration, Cross-Platform Data Sync, Performance Optimization

# **PROJECTS**

# Warehouse Management System (WMS)

Hosur, Tamil

Nadu

**Client: GRB Dairy Foods Pvt Ltd** 

**Technologies:** Angular, TypeScript, Bootstrap, HTML5, CSS3, C#, SQL Server, ASP.NET Web API, MQTT, Visual Studio, Visual Studio Code

- ➤ Designed and developed dynamic, responsive UIs and interactive dashboards, along with custom reports, using Angular, TypeScript, Bootstrap, HTML5, and CSS3 to enhance user experience and data visualization.
- ➤ Built and integrated RESTful APIs using C# and ASP.NET Web API, ensuring efficient communication between frontend and backend systems.
- > Created and optimized SQL Server database schemas and **stored procedures** to improve performance and support complex reporting and data operations.

### **Ladle Tracking System (LTS)**

Bokaro, Jharkhand

**Client: Vedanta ESL Steel Plant** 

**Technologies:** Angular, TypeScript, Bootstrap, HTML5, CSS3, C#, SQL Server, ASP.NET Web API, Visual Studio, Visual Studio Code

- ➤ Developed a secure **web application** and **dynamic dashboards** using Angular, TypeScript, Bootstrap, HTML5, and CSS3, with features like **authentication**, **authorization**, **session timeout**, and **real-time ladle movement tracking** across furnace casting, production, and maintenance stages.
- > Created **analytics dashboards** and **interactive reports**, providing insightful visualizations and enabling data-driven decision-making for operational efficiency.
- Engineered C# ASP.NET Web APIs to **handle business logic** and **real-time data exchange**, ensuring robust backend functionality and seamless integration with the frontend.
- > Structured and tuned the SQL Server database using efficient **stored procedures**, enabling high-performance queries and reliable tracking of real-time ladle movement data.

## **Ore Tracking System (OTS)**

Amona, Goa

Client: Vedanta Limited (Sesa Goa), Value Addition Business (VAB)

**Technologies:** Angular, TypeScript, Bootstrap, HTML5, CSS3, C#, SQL Server, ASP.NET Web API, Visual Studio, Visual Studio Code

- ➤ Developed a **secure**, **dynamic web application with analytical dashboards** and **interactive reports** using Angular, TypeScript, Bootstrap, HTML5, and CSS3, incorporating features like authentication, authorization, and session timeout.
- > Implemented C# ASP.NET Web APIs with SQL Server and stored procedures to ensure reliable data operations and deliver interactive analytical reports.

## **EDUCATION**

**Master of Computer Application (MCA)** 

**INSTITUTE OF PROFESSIONAL STUDIES & RESEARCH (IPSAR)** 

Cuttack, Odisha

**Bachelor of Science (BSc)** 

ADIKABI SARALA DAS COLLEGE, TIRTOL

Jagatsinghapur, Odisha

#### LANGUAGE

**Odia**: - Native

English: - ProfessionalHindi: - Conversational