**OBJECTIVE**

Highly motivated Full-Stack .Net Developer with industrial experience in building and deploying scalable applications. Proficient in .Net framework, .Net Core, C#, React, SQL Server and HTML/CSS, JavaScript, Design Patterns. Skilled in developing full-stack applications, implementing security and data protection measures, and integrating with third-party APIs. Possesses strong problem-solving skills, attention to detail, and ability to work collaboratively in a fast-paced environment. Aiming to bring expertise and dedication to a challenging role where I can contribute to the success of a company.

**EXPERIENCE**

* Senior Software Engineer | Epam System | June-2023- till Now
* Module Lead | Mphasis | Feb 2020 – May-2023
* SSE | Conduent Business Services | Jan 2018 – Feb 2020
* SE | **L**&T Technology Services | Oct 2016 – Nov 2017
* SE | Vhire4U (Wonesty Web Solution), | Apr 2015 – Oct 2016

**COMMUNICATION**

* Excellent written and verbal communication skills.
* Confident, articulate, and professional speaking abilities (and experience)
* Empathic listener and persuasive speaker.
* Excellent presentation skills.

**REFERENCE & HOBBIES**

* Place: Bangalore, India
* Contact: +91-8105489658
* Languages: English, Hindi, Odia
* Interests: Cooking, Bike Riding, Blogging, Photography, Playing Badminton, Cricket

**Technical Competencies**

**Primary:**

C#, Asp .Net Core, MVC, Asp .Net, Web API, SQL Server, Microsoft Azure, Java Scripts, React.js, Microservices, SOLID principle, Design patterns

**Tools**

TFS, IIS, Git, Wire shark, Postman, Swagger, Fiddler, Git Copilot

**Education**

* **B.Tech (2008-2012)**

In AE&IE 73.64 % in 2012 from The Techno School, Bhubaneswar (BPUT, Orissa).

* **College of Science 2006-2008**

+2, Science, CHSE board, Odisha

* **High School 2006**

BSE board, Odisha

**Appreciation**

* Employee of the month
* Best performer award
* Star performer in the Team

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**Ayan Ansuman Sahoo**

Full Stack Developer

**Projects**

**1)**

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| --- | --- | --- |
| Name: TransHub (Shell) | Role: Developer Team Size: 10 | Duration: March-2024 to till now |
| Skills: C#, Asp .Net Core, Web API, SQL Server, LINQ, Entity Framework, Microsoft Azure, React, Microservices | Tools: Git, DevOps, Thunder Client | | |

Transhub is a versatile, cloud-native platform built to simplify and streamline data management, validation, and processing in Aviation industry. At its core, it employs a secure API for efficient data exchange and a React-based front-end to deliver an intuitive, responsive user experience. The platform integrates Azure Function App for real-time file validation, ensuring data accuracy and format compliance. Transhub leverages powerful Azure services, including App Services for hosting application logic, Service Bus for reliable asynchronous communication, and Logic Apps to automate and enforce complex business rules. Together, these components enable scalable, decoupled workflows and efficient data processing.For database management, Transhub utilizes DACPAC to ensure seamless, version-controlled schema deployments. This approach eliminates manual errors and simplifies updates. Additionally, robust CI/CD pipelines automate the build, testing, and deployment processes, providing faster iterations and minimizing downtime.

The architecture is modular, ensuring flexibility for customization and scalability to meet growing business needs. Transhub is tailored to meet the specific challenges of the aviation industry. Whether it’s managing vast datasets, ensuring compliance with strict aviation regulations, or streamlining operational workflows, Transhub delivers unmatched reliability and scalability. Transhub stands as a vital tool in driving efficiency, safety, and innovation in the fast-paced and ever-evolving aviation sector.

**2)**

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| --- | --- | --- |
| Name: EPC (Shell) | Role: Developer Team Size: 4 | Duration: June-2023 to Feb-2024 |
| Skills: C#, Asp .Net Core, Web API, SQL Server, LINQ, Entity Framework, Microsoft Azure, React.js, JavaScript, RabbitMQ, Microservices | Tools: Git, DevOps, Postman, Web Form | | |

EPC (Electronics Product Catalogue) is a retail process project tailored for the Oil and Natural Gas domain, specifically designed for Shell Company. Leveraging the power of .NET Core and React, EPC is a robust and scalable solution that seamlessly integrates Azure cloud services, Microservices architecture, RabbitMQ messaging, and SQL databases. The .NET Core framework ensures cross-platform compatibility and high-performance computing, while React brings a modern and user-friendly interface for efficient data visualization and analysis. The project harnesses the capabilities of Azure for secure and scalable cloud infrastructure, enabling seamless deployment and management of the entire system.

EPC adopts a Microservices architecture to enhance modularity, flexibility, and maintainability, allowing independent development and deployment of individual services. RabbitMQ, as a reliable message broker, facilitates communication and coordination between Microservices, ensuring real-time data flow and system responsiveness. The Azure SQL database is utilized for robust data storage, retrieval, and management, supporting the complex data requirements of the Oil and Natural Gas industry. With EPC, Shell Company can streamline their crude processes, enhance analytics capabilities, and achieve operational excellence in the dynamic and challenging landscape of the Oil and Natural Gas sector.

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**3)**

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| Name: Lease Wave -ACL layer, OC-5 | Role: Developer Team Size: 6 | Duration: **Feb-2020 to May-2023** |
| Skills: C#, Asp .Net Core, Web API, SQL Server, LINQ, Entity Framework, Microsoft Azure, React.js, JavaScript, RabbitMQ, Microservices | Tools: Git, DevOps, Postman, Web Form | | |

LeaseWave-ACL is a cutting-edge logistics management system that focuses on efficiently handling assets, leases, purchase orders, invoice orders, and fuel transactions. This project aims to streamline and automate various aspects of logistics operations, enabling organizations to enhance their overall efficiency and productivity. Utilizing the latest technologies and industry best practices, LeaseWave-ACL leverages .Net Core, React, and SQL Server to create a robust and scalable solution.

The system is built using a microservices architecture, allowing for flexibility and modularity in the development process such as designed and developed RESTful APIs for inter-service communication, configure RabbitMQ messaging broker for asynchronous communication between services, maintained documentation by using swagger, implemented authentication and authorization using OIDC, JWT and OAuth 2.0. Additionally, the implementation adheres to established design patterns like CQRS, Event Driven sourcing to ensure maintainability, extensibility, scalability. Implemented tracking system for monitoring and logging the performance and errors within ecosystem and worked on CI/CD pipelines for deployment. Collaborated with cross- functional teams including developers, architects, DevOps team for successful implementation and deployment of microservices.

The primary objective of this project is development, focusing on building and enhancing the functionality of ACL. The development work involves creating modules and features that facilitate asset management, lease handling, purchase order processing, invoice order management, and fuel transaction tracking. These functionalities will provide logistics professionals with the necessary tools to effectively manage and track their assets and transactions, thereby streamlining their operations and improving overall performance.

By leveraging the power of .Net Core, React, and SQL Server, Azure Lease Wave empowers logistics companies to optimize their logistics processes, reduce manual efforts, and enhance data accuracy and reliability. Through this project, we aim to deliver a comprehensive logistics management system that meets the specific requirements of the industry, enabling organizations to achieve operational excellence and drive business growth.

**4)**

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| Name: Automatic Digital Processing (ADP) | Role: Developer Team Size: 6 | Duration: Jan-2018 to feb-2020 |
| Skills: C#, Asp Net Core, Web API, SQL Server, Microsoft Azure, JavaScript, Bootstrap | Tools: Git, DevOps, Xerox’s tool | | |

The Automatic Digital Processing System is a comprehensive solution designed to streamline the handling and validation of medical reports in the healthcare industry. The system utilizes Optical Character Recognition (OCR) technology to scan and extract data from medical report files. It also includes advanced validation mechanisms to ensure the accuracy and integrity of the extracted information. The system employs OCR technology to automatically extract text and relevant data from medical report files, eliminating the need for manual data entry.

Data Validation: It performs rigorous validation checks on the extracted data, ensuring its accuracy and compliance with predefined rules and standards. The system organizes and indexes medical reports based on various criteria, such as patient information, report type, and date, enabling efficient retrieval and analysis. Integration with SSRS reporting allows for the generation of comprehensive reports and data visualization, providing valuable insights for healthcare professionals. The system securely stores the extracted and validated data in a SQL Server database, ensuring data confidentiality and integrity. The system features an intuitive user interface developed using ASP.NET MVC, offering a seamless and efficient user experience.

Design Patterns and SOLID Principles: The system follows industry-standard design patterns and SOLID principles, enhancing code maintainability, extensibility, and scalability. It allows for seamless integration with existing healthcare systems, facilitating data exchange and interoperability. The system automates various workflow tasks, reducing manual effort and improving operational efficiency.

**5)**

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| Name: UBIQWeiese | Role: Developer Team Size: 4 | Duration: Oct’16-Nov-17 |
| Skills: C#, Asp Net MVC, Web API, SQL Server, Azure, JavaScript | Tools: TFS, Wireshark, Fiddler | | |

UBIQWeiese is an advanced IoT connectivity platform designed to enable seamless communication and integration between various devices and chips in the telecom industry. The platform utilizes cutting-edge technologies to establish reliable and secure connections, facilitating the exchange of data and control signals. UBIQWeiese establishes connections between IoT devices and chips, allowing them to communicate and share information in real-time. Data Exchange and Integration: The platform enables the seamless exchange and integration of data between different devices and chips, creating a unified ecosystem for IoT applications and do sockets communications. The platform is built on .NET MVC and Azure, offering scalability and flexibility to accommodate a growing number of devices and adapt to changing business requirements. UBIQWeiese incorporates robust security measures, including encryption, authentication, and access control, to ensure the confidentiality and integrity of data transmitted between devices. The platform includes monitoring capabilities that provide real-time insights into device performance, allowing proactive maintenance and issue resolution. It also sends alerts and notifications for critical events. Reporting and Analytics: Integration with SSRS reporting enables the generation of detailed reports and analytics, helping telecom operators gain valuable insights into device performance, usage patterns, and network efficiency. The platform follows industry-standard design patterns, ensuring a modular and maintainable codebase. It also adheres to best practices for performance optimization and code quality.

The platform allows seamless integration with third-party systems, such as billing, customer relationship management (CRM), and network management systems, to enable end-to-end telecom process automation.

**6)**

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| Name: Campus Medicine & Fee Management System (FMS) | Role: Developer Team Size: 6 | Duration: Oct’16-Nov-17 |
| Skills:C#, Asp Net, SQL Server, JavaScript, jQuery, SSRS Reporting |Tools: SVN | | |

Campus Medicine and FMS is a comprehensive management system designed specifically for medical universities and institutions. It offers features to efficiently manage medical university operations, including medical records, student information, and financial details. The system integrates medical and financial data, providing a centralized platform for effective administration and finance management. Medical University Management CampusMedFMS allows for the efficient management of medical university operations, including student enrollment, academic programs, faculty management, and scheduling. The system enables the digital storage and management of medical records, such as patient health information, medical histories, and diagnosis details, ensuring easy access and retrieval. CampusMedFMS maintains a comprehensive database of student information, including personal details, academic records, attendance, and performance metrics.

The system includes a robust fee management module to handle various aspects of financial transactions, including fee collection, invoice generation, payment tracking, and financial reporting.

Finance Management of CampusMedFMS provides financial management capabilities, such as budgeting, expense tracking, financial reporting, and auditing, to ensure transparency and accountability in financial operations. Reporting and Analytics: Integration with SSRS reporting allows for the generation of customized reports and analytics, providing insights into student performance, financial trends, and overall operational efficiency. The system securely stores medical and financial data in a SQL Server database, ensuring data confidentiality and integrity. CampusMedFMS features a user-friendly interface developed using ASP.NET and JavaScript frameworks like jQuery, offering a seamless and intuitive user experience. The system allows for integration with existing healthcare systems, such as electronic health record (EHR) systems and financial management systems, to enable data exchange and interoperability, Biometrics attendance.

Regards,

**Ayan Ansuman Sahoo**