**Kumar Saurav**

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**Summary**

Around 8 years of Professional Experience as a Senior Software Engineer analytics in implementing solutions on the .NET platform for Pension fund, banking, ﬁnance, education management, maritime logistics, e-commerce verticals and licensing using Agile methodology.

* G2G solution Integration with other government systems like UAE Smart Pass, DED, MOI.
* Development of **MARGO** project, its expanded digital logistics marketplace to provide its customers with a seamless online booking service for storage facilities.
* Developed **MAMAR**, a modernized online single-window platform to facilitate trade across seaports at ﬁrst followed by land, air, and post. Worked on **MARSA** project provides access to various statistical and management reports to allow better visibility and control of port operations and integrated with Maqta Gateway's Shipping Agent and PCS.
* Developed an **ATLP**, a maritime single window provides internal services and facilitate other g2g and c2g services for port community customers like Cargo collection, customs clearance, port security pass issuance, user proﬁle creation.
* ERP solution development, robust database and application architecture design and implementation.
* Integrating applications with 3rd party services using middleware application server, REST APIs, Java Web Services and WCF.
* Implement solutions using industry best practices and standards.
* Create document user stories/use cases, functional specification, and design.
* Experience in developing applications with the aim of globalization and localization to meet customer needs.
* Experience in creating new environments and applications and migrating to Azure.
* Understanding of the application and flow of data and control within the system and outside the system.
* Hands-on experience in implementing architectural patterns.
* Experience in automating the common scheduling tasks using scripting, windows service.
* Master in Python by building many projects in data science, automation, build websites, and apps.
* Build DevOps in-house to effectively use the latest CI/CD and Sprint management tools.

**Education**

**Master of Science in Business Analytics (Stem) Expected August 2022** Hult International Business School— Boston, Massachusetts

Relevant courses: Advanced Data Analytics |Data Science Python and R | Machine Learning.

Data Visualization | Data Management & SQL | Data Optimization.

Text Analytics and NLP |Data Mining (MySQL, NoSQL, Hadoop, Spark, and Hive)

Algorithmic Trading in Python | Web Application Development | Fintech

Leadership | Future Mindset and Future Challenge

**Bachelors in Technology in Computer Science Engineering Jul 2009–July 2013**

Biju Patnaik University of Technology —Odisha, India

**Technical Skills**

**Programming languages:** C#, Java, Python, JavaScript ES6, TypeScript, R programming, SQL, Bootstrap 4, HTML5.

**Frameworks:** ASP.NET, WCF, Web Form, MVC, Web service, .Net Core 2 +, Java web service, Web API, Entity Framework, ORM, NUnit, AngularJs, Angular2+, SOA.

**Libraries/APIs**: google maps, React, jQuery, bootstrap, Payment gateways, PySpark.

**Subversion:** SVN, GIT, TFS.

**Tools:**  Tableau, Postman, Swagger, LINQ pad, ReSharper, NuGet, Jenkins, Visual Studio, Eclipse, JDeveloper, Jupyter, Git desktop, VSCode, Jira.

**Storage:** SQL Server, MySQL, Oracle SQL Developer, AWS, Azure, ETL, PostgreSQL and Apache Cassandra (NoSQL), JSON, XML.

**Other Skills**: Custom workflow implementation, Code refactoring, documentation, federal service integrations.

**Relevant Expérience**

Microexcel Technologies —Dubai, UAE

**Client: Abu Dhabi Pension Fund**

**Senior Software Engineer (Integration Specialist). Sep 2020–Sep 2021**

**Roles and responsibilities:**

* Development of G2G system Integration, contributes to achieving the leadership vision in providing integrated government services by collaborating with our strategic partners at the local and federal level.
* Successfully performed an integral role in developing the Abu Dhabi Pension Portal, which automatically manages pension calculations, payments and contributions using the BI Dashboard.
* Integrate UAE Pass API for registering and verifying the user in the system.
* Prepare scripts to deploy the changes to the staging and the production environment.
* Create master data management APIs for maintaining the data assets that are critical to the business.
* Host payment APIs to provide central point of communication for client applications.
* Automate the deployment pipeline using Jenkins, git and python scripting.
* Researched, designed, and implemented scalable applications for information identiﬁcation, extraction, analysis, querying, and indexing.

**Environments:** VS Code, Angular2+, C#.Net, JavaScript, CSS, AJAX, jQuery, MVC, Oracle ERP, SQL Server, MySQL, Java Webservice, Service Integration, Microservice, G2G, AD-Pay, .NET security standards, MySQL, Python, Custom workflow, WCF, ETL, PostgreSQL and Apache Cassandra (NoSQL), JSON, XML, Azure, AWS.

**Abu Dhabi Ports** —Abu Dhabi, UAE **June 2019–Sep 2020**

**Senior Software Consultant**

**Roles and responsibilities:**

* Implement workflows for different phases of logistics processes such as warehousing, transportation, and delivery.
* Repackaging of Custom clearance system into ATLP.
* Implement AD-Pay gateway integration for making payments through ATLP.
* Refactor the existing code to increase extensibility.
* Map the payment APIs to central payment systems.
* Schedule ERP consolidation and incomplete payments on middleware for background processing.
* Implement new features by integrating with 3rd party payment processing providers.
* Test-driven development for reducing the bug rates on production.
* Replace the existing payment gateway without affecting the payment options, finances, and customers.
* Perform integration and regression testing with the ERP finance team.
* Design and implement workflow for payment processes based on the client integration requirements.
* Setup CI/CD workflow using GitHub actions.
* Develop a Microservice for handling payment gateway responses from different payment service providers.

**Environments:** Visual Studio, C#. Net, Web API, Angular, .NET Core, Entity Framework, SQL Server, My SQL, Microsoft BizTalk Server, NOQODI (e-Wallet), GitHub, Payment gateway, AngularJs, Angular, TFS, Jenkins, Python, Custom workflow, WCF, .NET security standards, Java Webservice, ETL, PostgreSQL and Apache Cassandra (NoSQL), JSON, XML, Azure, AWS.

**Innovent integrated solutions** —Abu Dhabi, UAE **Nov 2017 – Feb 2019**

**Senior Software Engineer**

**Roles and responsibilities:**

* Developed Teacher application tracking system for automating the hiring process within schools and education department that includes registration, application submission, approval, transfer, promotion, resignation, and fees payment.
* Design, develop, test, support and deploy web applications using .NET.
* Administer, support and monitor databases by proactively resolving database issues.
* Tested programs and databases to identify issues and make necessary modifications.
* Created workflow diagrams to demonstrate processes and timelines.
* Increase the performance and responsiveness of web application using Redis Cache,
* Built utilities for bulk email operations and processing large, structured data in the form of .csv, XML etc.
* Maintained existing applications and designed and delivered new applications.
* Deployment to production environment and assist in end user training.
* Led a team of 4 developers in analysis and rebuild of software from beginning design through completion.

**Environments:** ASP.NET Core, ASP.NET MVC, C#, Angular 6, Entity Framework, bootstrap 4, SOA, SAS, QlikView, Oracle SQL developer, SOAP, REST, WEB APIs, Payment gateway (MiGS) , SQL Server, My SQL, Azure , AWS , NUnit, Microservices, SOAP, REST, WEB APIs, TFS, SVN, python.

**National Informatics Centre, Govt of India** —Delhi, India **Jul 2013 – Oct 2017 Software Engineer**

The design, development, and implementation of the “Integrated Financial Management System” for the Government of Sikkim, Development internal Banking Software, India is an e-Governance project funded by the Government of India. Sep 2016 – Oct 2017

**Roles and responsibilities:**

* Design and implementation of Contractor billing, reporting and KPI Dashboard.
* Worked closely with clients to establish problem specifications and system designs.
* Maintained existing applications and designed and delivered new applications.

**Environments:** ASP.NET, ASP.NET MVC, C#, Entity Framework, AngularJS, bootstrap, Windows Services, Unit Testing, SSRS and MSSQL SERVER.

ERP development of Meghalaya Co-operative Apex Bank Ltd. (MCAB) under NIC (National Informatics Center), Govt. of India.

Aug 2015 – Jul 2016

**Roles and responsibilities:**

* Involvement in development, UI styling and unit testing.
* Coding and Defect fixing for if found at any level of testing.
* Worked closely with clients to establish problem specifications and system designs.
* Maintained existing applications and designed and delivered new applications.

**Environments:** ASP.NET, ASP.NET MVC, C#, AngularJS, bootstrap, Windows Services, Unit Testing, SSRS and MSSQL SERVER.

Financial Software Development and Maintenance of Public Financial Management System (PFMS) under PMO, Govt. of India.

Jul 2013 – Apr 2015

**Roles and responsibilities:**

* Involvement in development, UI styling and unit testing.
* Coding and Defect fixing for if found at any level of testing.

**Environments:** ASP.NET, C#, ADO.Net, bootstrap, Unit Testing, MSSQL SERVER.