

Prashath Manorathna

BSc, MSc
Senior Software Engineer



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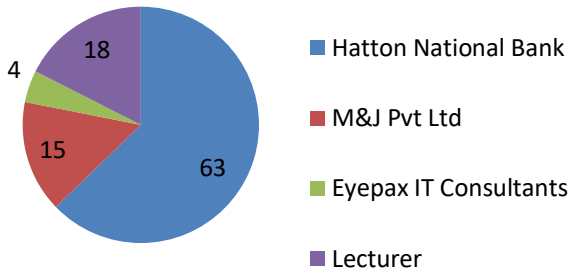
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About Me

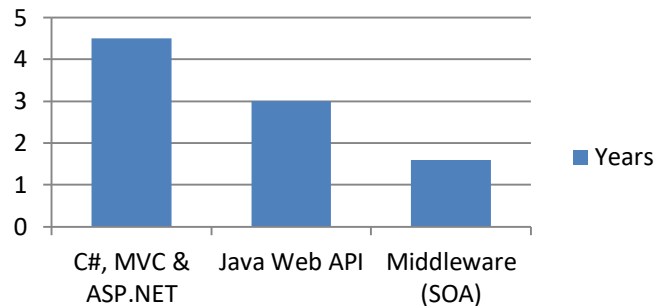
An experienced developer always willing to learn new things, hardworking and having enthusiasm and ambition to work in projects involving research and development which require complex problem solving, mathematical and analytical skills, looking for a suitable position with an ambitious & exciting company.

Work Experience

Total Experience: 10+ years



Developer Experience 9+ years



At present from 19th of May 2014

Hatton National Bank PLC | HNB Towers level 20
Software Development, Information Technology department

Key Duties

- Research and Development
- Taking responsibly and managing projects independently in a challenging environment.
- Work with business users to collect and understand requirement and translate that into It functional requirement.
- Enterprise integration. (TIBCO - IWAY ISM Server, WSO2 ESB & WSO2 API Manager).
- Designing and Developing SOAP/REST Web APIs (Java 8, Axis 2 and ASP.NET Web Services).
- Ensure production or production defects are quickly assessed mitigated and resolved by communicating with WSO2 tech support.
- Providing input to management to address product enhancements, evolving new capabilities for emerging customer needs, and assist with the roadmap for new products and features.
- Full stack web development (ASP.NET, C# 4.0, Oracle, Ajax and JQuery).
- Supporting team members
- API Documentation

Professional Experience

Few Projects

1. Implementing an API management solution using WSO2 API manager
Challenge: Learning API manager from ground up.
Achievements:
 - Creating a cluster environment for API Management
 - Customizing the API store for HNB open banking solutionCurrent implementations: Money transfer, Fund transfers for both CEFT and WIB etc..
2. Integrating FEBA PCM (Payments and Cash Management System) with different corporates using ISM server.
Challenge: Learning IWay from the ground up and implemented with a tight schedule
Achievements: Bringing an isolated system in to live and this was a major part of the Banks PCM project which won the following awards for the bank
 - Euromoney Cash Management Survey – 2018
 - Asian Banker – Business Achievements Awards 2018
 - Asiamoney Cash Management Survey – 2017/2018
 - Process automation
 - Driver settlement solution for Pick-me (Web API based CEFT and WIB transactions)
 - Forwarding Account statements securely to cooperates.
 - Automated file transferring (SFTP).
 - Cyber-source Project (New IPG in cloud)
3. File format conversion from VISA TC33A to EDC format
Challenge: Understanding TC33, EDC formats and Understanding IWAY implementation process
Achievements: Preparing process plan and implementing a pipeline for data transformation. This was a major part of integrating card system with cyber source IPG- Internet Payment Gateway
Appreciated by the management by sending an appreciation letter to the personal file
4. FATCA submission from year 2015 to 2020 (Foreign Account Tax Compliance Act)
Challenge: Understanding IDES specifications and Transmitting Confidential Data by following the IDES specifications (International Data Exchange Service).
Achievements: Successfully managed to prepare the FATCA report for the annual FATCA Reporting for last four years.
 - Developing a windows application for signing and Encrypting data according to IDES specifications (C# 4.0) and compressing the encrypted file.
5. Fixing bugs in the ISO 8583 connector developed for WSO2 ESB to connect to Finacle Connect 24 and successfully deployed to production (HNBPROD-156)
Fixing bugs in the ISO 8583 connector developed by WSO2 for the smart vista switch and successfully deployed to production (HNBPROD-172)

6. Full stack web development

DB Amendment System a system to log and manage database amendments - ASP.Net, C#, Ajax, JQuery

Branch Vault and Key Management system - ASP.Net, C#, Ajax

Experience

Hands on experience in,

- **Software design and development**

- ✓ Secure Software Design specialization (University of Colorado System)
<https://www.coursera.org/account/accomplishments/specialization/VBY6UW5BJGFP>

- **ASP.NET MVC 4.0, ASP.NET Web Forms and C# 4.0.**

- **Enterprise Integration (TIBCO IWAY, WSO2 ESB and WSO2 Enterprise Integrator).**

- **API management (WSO2 API Manager).**

- **API development (Java, Apache Axis 2 and ASP Web Services)**

- **Java SE (1.8, 1.7, 11) and Java Spring**

- ✓ Web Development with Java Spring Framework (Peter the Great St. Petersburg Polytechnic University)
<https://www.coursera.org/account/accomplishments/certificate/XWJX59XAMZ7A>
- ✓ Object-Oriented Programming with Java (Coursera Project Network)
<https://www.coursera.org/account/accomplishments/certificate/EAGR682R47KU>

- **ORACLE and PL SQL**

- **Implementing Web Service Security**

- **Angular JS, JavaScript, Bootstrap, J-Query, Ajax Control Toolkit, XML, XPATH, WSDL JSON etc.**

- ✓ Using Git for Distributed Development (Hong Kong university of science and technology)
<https://www.coursera.org/account/accomplishments/certificate/NFHVBQZGRAG9>

- **Source code management using GIT**

- ✓ Using Git for Distributed Development (Linux Foundation)
<https://www.coursera.org/account/accomplishments/certificate/ZMYAACANLXPW>
- ✓ Introduction to Github and Visual Studio Code (Coursera Project Network)
<https://www.coursera.org/account/accomplishments/certificate/WRRQP92TSA5X>

Education

- **Computer Science | MSc (University of Peradeniya, 2010-2014)**

- **Applied Sciences | BSc (University of Peradeniya, 2004-2009)**

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| • Statistics | • Mathematics | • Physics |
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Research Interests

- **Data Science and Machine learning**

- ✓ Mathematics for Machine Learning Specialization (Imperial College of London)
<https://www.coursera.org/account/accomplishments/specialization/33N5CESZNQE9>

- ✓ Deep Learning Specialization (Deeplearning.io)
<https://www.coursera.org/account/accomplishments/specialization/YDFNLH3RL3PK>
- ✓ DeepLearning.AI Tensor Flow Developer Professional Certificate (Deeplearning.io)
<https://www.coursera.org/account/accomplishments/professional-cert/LNR5M4LFGM8D>
- ✓ Unsupervised Machine Learning for Customer Market Segmentation (Coursera Project Network)
<https://www.coursera.org/account/accomplishments/verify/X7NDWQRY2XKM>
- ✓ Machine Learning Feature Selection in Python (Coursera Project Network)
<https://www.coursera.org/account/accomplishments/certificate/HCE5LVGGPS8W>
- ✓ Basic Artificial Neural Networks in Python (Coursera Project Network)
<https://www.coursera.org/account/accomplishments/certificate/U9ZJPDETVFKB>
- ✓ Cert Nexus certified Artificial Intelligence Practitioner Professional Certification (Cert Nexus)
Solve Business Problems with AI and Machine Learning
<https://www.coursera.org/account/accomplishments/certificate/6WWPZSY37H9A>
Build Decision Trees, SVMs, and Artificial Neural Networks
<https://www.coursera.org/account/accomplishments/certificate/XMEJ5M2F34J5>
Preparing for Your Cert Nexus Certification Exam
<https://www.coursera.org/account/accomplishments/certificate/RPARWQNTTFTV>
Results pending for two courses in this specialization
- Math Prerequisites for Quantum Computing
<https://udemy-certificate.s3.amazonaws.com/pdf/UC-bb55cc2c-a93b-4e39-81ef-3d601b20fe8a.pdf>

References

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I hereby declare that the aforementioned particulars furnished by me are true and accurate to the best of my Knowledge.

M.G.P.Karunasiri
2022/01/14