STEVEN MARCEL FERNANDES
Associate Consultant

Decisive, achievement driven, dynamic professional with **over 18 years of experience** in **Full-Stack Development** with **domain expertise in Telecom, Banking & Finance, Manufacturing & Logistics domains**; targeting senior-level assignments in the same with an organization of high repute

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Profile Summary

- A result-oriented professional offering over 18 years of a successful career in **Java/J2EE Full Stack Development** with extensive experience in full lifecycle of the software development including requirement definition, design, prototyping, interface implementation, configuration, performance tuning, deployment, testing and maintenance
- Skilled in analysis, development and implementation of enterprise solutions using **JAVA/J2EE, Spring, Hibernate, Microservices, Docker, Kubernetes, AWS, Angular, Web servers, XML, XSLT, JMS** and other open-source frameworks
- Highly skilled in taking independent ownership of software components and delivering releases on time
- Possess good understanding of **IOT, Raspberry PI, Arduino, MQTT**
- **Experience in Software Development Lifecycle (SDLC)** right from requirement analysis, documentation (functional specifications, technical design), coding and testing to maintenance of proposed applications
- Participated in various mentorship activities, including providing code review support for numerous projects and providing ongoing help throughout the project life cycle
- Excellence in gathering & understanding requirements of clients & other multiple stakeholders, followed by translation into functional specifications as well as provisioning suitable software solutions, thereby ensuring high-quality Client experience
- Led initiatives to increase accessibility awareness and advice business stakeholders, designers and developers on accessibility standards; provided ongoing advice and consulting on accessibility
- An effective leader & multi-tasker with excellent analytical, problem-solving, communication & interpersonal skills

Core Competencies

- Software Design & Development
- Full-Stack Development
- Requirement Gathering & Analysis
- Client/Stakeholder Management
- Unit Testing & System Integration
- Analysis, Design & Integration
- Performance Tuning
- Defect Resolution & Design Optimization
- Team Management

Academic Details

- **B.E. in Electronics** from Bangalore University, Bangalore

Certifications

- **Certified SAFe® 5 Practitioner - Scaled Agile, Inc.**
- **AWS Partner: Accreditation (Technical)**
- **AWS Partner: Cloud Economics Accreditation**

Technical Skills

- Java/J2EE
- Spring
- Hibernate
- SpringBoot
- MicroServices
- Docker
- Vault
- JUnit
- React
- Mongo DB
- AWS
- Webservices
- XML, XSLT
- Node JS
- PL/SQL
- Python
- IOT
- Arduino, Raspberry PI
- JMS, ActiveMQ, MQTT

Soft Skills

- Motivator
- Communicator
- Leadership
- Collaborator

💼 Organizational Experience

Associate Consultant at CGI, Bangalore (Jan 2020 till present)

Key Result Areas:
- Involved in the transition of the on Premises application to AWS cloud
- Involved in the containerization of applications using Docker
- Setting up of configuration Management interfacing with Vault.
- Assisted in setting of the CI/CD process using Jenkins, Terraform, Helm, Kubernetes, Vault.
- Redesign the existing application using Spring Boot, React with Microservices architecture
- Synchronizing with a team of developers, architects, project managers, and business analysts across multiple projects & geographies with a high level of collaboration and communication, resulting in better quality and higher reliability
- Mapping requirements of clients as well as different Service Providers, seniors, Vendors / Consultants & other Stakeholders for ensuring effective translation of business needs into technology requirements in adherence with the company's objectives
- Interfacing with clients for gathering business needs, analyzing & reviewing business, functional, and high-level technical requirements, and finalizing technical/functional specifications and high-level design documents

Lead Analyst at CGI, Bangalore (Jan 2014 till Dec 2019)

Key Result Areas:
- Involved in Transitioning from Monolithic to Microservice based Architecture.
- Designed & developed Message broker which acts a medium of transporting messages from one messaging protocol to other.
- Was involved in the design & architecture of interfacing & integration with Mainframe systems
- Recognizing issues and risks in a timely manner; developing/implementing appropriate mitigation and contingency plans Driving efforts towards maintaining software development practices; adhering to company standards for coding and unit/functional test coverage
- Administering day-to-day activities of the development team; providing technical guidance and leadership to fellow team members in area of expertise; developing mechanisms for resolving team conflicts
- Providing technical suggestions, solutions, and troubleshooting assistance during the development and deployment of applications Designing & developing Enterprise solutions while maintaining scalability, performance, availability, and quality of all platforms
- Created architectures and designs for new solutions around existing and new problem spaces

IT Consultant at Logica, UK (Jun 2010 till Dec 2013)

Key Result Areas:
- Was involved in the designing & integrating of WLR3, Broadband (ADSL, FTTH), Inventory, CMC Portal, Product Catalogue modules
- Synchronizing with a team of developers, architects, project managers, and business analysts across multiple projects & geographies with a high level of collaboration and communication, resulting in reduced resource wastage and higher reliability
- Ensuring that best practices for coding, architecture, and security are employed across all applications Managing timelines and resources (internal and external) within the software development lifecycle, acting as a point of technical escalation and resolution during the project lifecycle
- Administering day-to-day activities of the development team; providing technical guidance and leadership to fellow team members in area of expertise; developing mechanisms for resolving team conflicts
- Drove efforts towards maintaining software development practices; adhered to company standards for coding and unit/functional test coverage

IT Consultant at Logica, Bangalore (Feb 2007 till May 2010)

Key Result Areas:
- Implemented Business workflows for a leading Insurance company with Sterling commerce product.
- Managed software development activities for business process mapping of the client and identified appropriate development methodology
- Developed / reviewed test cases for conducting Unit & System Integration Testing
- Assisted in determining operational feasibility through analysis, problem definition, requirement analysis, and proposing solutions
- Documented software solutions through flowcharts, layouts, diagrams, charts, code comments and clear code
- Managed software development activities for business process mapping of the client and identified appropriate development methodology
- Recognized issues and risks in a timely manner; developed/implemented appropriate mitigation and contingency plans

Module Lead at Synchronous Technologies, Bangalore (March 2004 till January 2007)

Key Result Areas:
- Developed / reviewed test cases for conducting Unit & System Integration Testing
- Designed and wrote functional and unit tests; supported developers in troubleshooting system issues along with monitoring system-level integration
- Developed, integrated and tested analysis pipeline components for deployment in production software
- Assisted in determining operational feasibility through analysis, problem definition, requirement analysis, and proposing solutions
- Contributed to software improvements (products, processes, methods, tools), design inspection and code review
- Recognized issues and risks in a timely manner; developed/implemented appropriate mitigation and contingency plans

📇 Personal Details

- **Languages Known:** English, Hindi, Kannada, Konkani
- **Address:** No. 11/29 Santacruz 18th Cross 20th Main 5th Phase, JP Nagar, Bangalore-560078

*Refer to annexure for Projects

💼 Annexure

Projects

Organization: CGI

Project Name: Geo Chemistry Toolkit (GTO) – Shell (January 2021 till present)
Project Description: GTO is an end user front-end to Shell's global geochemistry database (FPC). The application is a modular software package that enables you to load, access, interpret and report geochemical data
Technology Stack: Java, Spring Boot, AWS, Docker, React, Kubernetes, Helm, Vault, Jenkins, GitHub
Responsibilities:
- Involved in transition phase from Monolithic Application to Microservices
- Containerize the individual Services/Components
- Involved in the design of MicroServices and Docker Files
- Involved in the setting up of CI/CD pipeline

Project Name: Customer Centric Platform (CCP) – British Telecom (September 2019 till December 2020)
Project Description: E-Commerce application serves as the key online ordering channel for Agent/Retail Customers for different product lines such as Broadband, PSTN, Mobile, TV, BT Sports, Devices, Converged products. It supports L2C processes including pre-sales, product configuration, check-out and post sales for these product lines.
Technology Stack: Java, WebLogic 12c server, OFBiz Framework, Oracle 12c, Git, Microservices
Responsibilities:
- Involved in understanding/transition phase of the existing design/architecture/process
- Worked on ofbiz framework
- Implemented Appointment Service based on Microservice Architecture
- Worked with Orange Team delivering key aspects of providing Broadband Only Services to the Retail Customers
- Delivered several Business Requirements involving both UI (ASM/RTM)/Backend over the period of one year

Project Name: Message Broker – Bell Canada (October 2018 – May 2019)
Project Description: The Message Broker acts a medium of transporting messages from one messaging protocol to other. This is developed on top of spring Framework and it works on the publish/subscribe model. There are Spring listeners/Transmitters implemented/configured as part of this framework. Currently it supports 3 messaging protocols JMS/MQ/Kafka
Technologies Stack: Java, WebLogic 12c server, Kafka, MQ Series , Java
Responsibilities:
- Involved in the design & implementation & Unit Testing of the Framework.
- Performed peer code reviews and assisted in integration of upstream & downstream systems

Project Name: Garbage Monitoring System (January 2019-April 2019)
Project Description: This project IOT Garbage Monitoring system (POC) is a very innovative system which will help to keep the cities clean. This system monitors the garbage bins in the city and informs about the level of garbage collected in the garbage bins via a web page. The system puts on the buzzer when the level of garbage collected crosses the set limit. The sensor data is sent to the monitoring platform via the IOT gateway where the bins are monitored
Technologies Stack:
Hardware: ESP8266 Wi-Fi Module, Raspberry Pi, Sensor, Buzzer, LED
Software: Arduino Programming, Python, Arduino Compiler, MQTT, Angular, NodeJS, MongoDB
Responsibilities:
- Involved in the architecture, design, and implementation

Project Name: Mobility Transformation Layer – Bell Canada (January 2018 – September 2018)
Project Description: The Transformation Layer acts as a provisioning gateway for SIM provisioning with upstream interfaces (SIMS and Jasper) and SOM (OSM), it receives provisioning requests from SIMS and Jasper with different formats and convert it into the SOM Service order format and send it to the SOM (OSM) via JMS
Technology Stack: WebLogic 12c server, Java 1.7
Responsibilities:
- Involved in the design (Java & Database), implementation & Unit Testing of CFS Framework
- Conducted peer code reviews and assisted in integration of upstream & downstream systems
- Assisted team to deliver use cases as per the scheduled plan

Project Name: SDN/NFV POC – CGI (August2017- December2017)
Project Description: SDN/NFV is becoming a key technology for telecommunication industry globally. The current gap in the market in terms of Systems Integration (SI) capability to pull together the ever-increasing ecosystem of vendors/partners who provides components in order to build the end-to-end solution.
Key Features: Software-Defined WAN (SD-WAN) to deliver Virtual Routing & Forwarding, Dynamic multi-path routing, Bandwidth on demand, WAN Acceleration, firewalling etc. by leveraging software defined WAN-Edge-Router and associated virtual components
Technology Stack: Blue planet Orchestration, Tosca Modelling, Python programming
Responsibilities:
- Involved in the creation and onboarding of Service Templates defined using Tosca Modelling
- Participated in the setting up of the DevOps Blue planet environment

Project Name: ISSAC Modernization – Bell Canada – Period (January 2016- April 2017)
Technology Stack: WebLogic 12c server, Java 1.7, EJB 3.1, JPA, Mockito/Power Mockito
Responsibilities:
- Involved in the design (Java & Database), implementation & Unit Testing of CICS, IMS Modules and monitored a team of 4 members
- Participated in the setting up of SIT/UAT Testing Environments
- Conducted peer code reviews and assisted in integration of upstream & downstream systems
- Assisted team to deliver use cases as per the scheduled plan
Skills and experience gained: Java Integration with Mainframe Systems.

Project Name: Order Fulfilment System (OFS), Bell Canada – Period (01/2014 to 12/2016)
Role: Lead System Analyst

Technology Stack: WebLogic Integration BPMS, WebLogic 10x server, Java 1.6, UNIX.
Responsibilities:
- Involved in the design & implementation of Activation/Post Activation Kick-out Reports
- Prepared detailed design documents validating the business requirements & done peer code reviews
- Assisted team to deliver use cases as per the scheduled plan

Skills and experience gained: Domain Knowledge in LNP & Bell Telecom.

Organization: Logica UK
Project Name: BT Harlequins, British Telecom UK – Period (05/2010 to 11/2013)
Role: Lead System Analyst
Technology Stack: Java, Spring, Spring Web Flow, Hibernate, JMS, Webservices, WebLogic Server
Project Description: Harlequins is a BT led programme that helps the division of BT Group, responsible for the wholesale leasing of WLR3 (PSTN) lines, broadband services through ADSL/FTTH and other telephony services to corporate/retail customers. The main framework was Spring coupled with Hibernate, Spring Web Flow, Mule ESB. Version control is SVN. JIRA for project tracking, Fisheye for source code repository browsing, Jenkins for continuous integration
Responsibilities:
- Monitored a team of 4-5 members & worked on different modules during various stages of the project
- Involved in the designing & integrating of WLR3, Broadband (ADSL, FTTH), Inventory, CMC Portal, Product Catalogue modules
- Prepared detailed design documents validating the business requirements & done code reviews
- Assisted team to deliver use cases as per the scheduled plan

Skills and experience gained: Domain Knowledge in WLR3 & UK Telecom, Product Catalogue (PCM)

Organization: Logica Bangalore
Project Name: TNT Umbrella, TNT UK (September2009- May 2010)
Role: IT Consultant
Technology Stack: JBoss, Seam, Java, JSP, Servlets, IText, Apache POI, Spring, Hibernate, Oracle, JMeter
Responsibilities:
- Prepared detailed design documents validating the business requirements
- Assisted team to deliver use cases as per the scheduled plan
- Worked on Application Performance Improvement
- Worked on development of PDF & Excel Reports using IText, Apache POI and Seam

Project Name: VNAB, Netherlands (April 2009- August 2009)
Role: IT Consultant
Technology Stack: Web Sphere, Java, JSP, Servlets, FOP, XSLT, XML Spring, Hibernate, Oracle
Project Description: VNAB is a project which would help its members with modern and efficient infrastructure for direct communication and on-line handling within the co-insurance market.
Responsibilities:
- Prepared detailed design documents validating the business requirements
- Assisted team to deliver use cases as per the scheduled plan

Project Name: TuneMoney, Malaysia (February 2007- March 2009)
Role: IT Consultant
Technology Stack: IBM BPM Gentran Integration Suite (GIS), Java, JSP, Servlets, FOP, XSLT, XML
Responsibilities:
- Prepared detailed design documents for the insurance module using Enterprise architect by validating the business requirement
- Assisted team to deliver use cases as per the scheduled plan
- Worked along with GIS consultant from Sterling Commerce and was extensively involved in R&D activity on developing new frameworks & Services using BPML within Gentran Integration Suite
- Reviewed Design & Code for Business Components developed within Gentran Integration Suite (GIS)
- Involved in setting & deployment of production environment

Organization: Synchronous Technologies
Project Name: Web Virtual Front Office (Product) (May 2005- January 2007)
Role: Module Lead
Technology Stack: Java, JSP, Servlets, EJB, JMS, XML, XSL, Oracle, WebLogic, Struts, Webservices
Responsibilities:
- Involved in providing detailed design documents for the LSR/ASR Order/Preorder, ASR Receive Modules using Magic draw.
- Developed the Web services required for receiving Orders from third party Systems and for CLEC domain configuration using Apache Axis
- Developed GUI Framework for rendering forms by parsing XSD & XML's

Project Name: Business Rules Management System (March 2004- April 2005)
Role: Module Lead
Technology Stack: IBM ILOG Rule Engine, J2EE, Servlets, Oracle, WebLogic
Responsibilities:
- Designed and developed Business Rules, Rule Flows and so on
- Performed systematic generation & deployment of Rule Services
- Involved in extensive testing – Unit and Integration Testing
- Involved in the design and development of Web Based ILOG Rules Entry