Parameswaran V Vaidyanathan

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Results driven hands-on **Engineer/Architect** with experience in spearheading the design, development, implementation and testing of **Cloud Native IT Solutions** using **Domain Driven Design** in the Java/JEE Platform. Recognized **Technology Leader**, applying high impact technical solutions primarily by the use of **Open Source Java Technologies/Frameworks** to major business objectives, with capabilities that transcend IT Operation boundaries. Adept with working at a leadership capacity to prioritize activities and achieve defined project objectives; able to effectively translate business requirements into the target technical solutions. Committed to helping the organization steer the delivery along with meticulous testing, QA, research, development and implementation of technologies.

- Java/JEE
- AWS - Cloud
- RESTful Architecture
- Pivotal Cloud Foundry (PCF)
- Domain Driven Design

- Spring
- DevOps - CICD
- Event Driven Design
- React & Typescript
- XP Methodology

- Microservices
- Agile - TDD
- Docker
- Kubernetes
- App Modernization

PROFESSIONAL EXPERIENCE

Amazon Web Services

Senior Cloud Application Architect   **Aug 2020 - Current**

Architect and build highly scalable, cloud native applications for the AWS platform, leveraging new technology paradigms like containers, serverless, microservices, etc. Lead engagements with customers and enterprises, and help them with their cloud adoption journey..

- Be a hands-on application architect and lead technical engagements with different customers and enterprises, to help transform and modernize.

- Specialize in building cloud native solutions and represent the voice of the customer and developers to influence solutions and new inventions within the organization.

VMware Inc. (by Acquisition of Pivotal Software Inc.)

Senior Member of Technical Staff   **Jan 2020 - Aug 2020**

Anchor and drive new customer engagements to a successful delivery and set up the customer for a long-term success. Encourage and enable a culture of Extreme Programming, Test Driven Development, CICD practices at the customer's organization, to deliver faster to the market.

- Work with clients to run discovery workshops using a DDD approach using techniques like Event Storming, BORIS exercise, and key microservice and choreography design patterns to solve the problems of Application Modernization.

- Perform Application and Platform health checks to identify bottlenecks in performance and improve availability and durability of applications.

- Work with engineering teams to develop and deliver using XP methodologies, TDD, and other related practices to build a product faster and more efficiently.

Pivotal Software Inc.   **Sept 2018 – Dec 2019**

Senior Solutions Architect

Adopt Domain Driven Design concepts and design Cloud Native solutions for organizations to help transform and modernize. Enable organizations to adhere to Scaled Agile practices to effectively build robust solutions with reduces time-to-market.

- Designed 12 Factor cloud native applications using Event Driven design principles for modernizing, using technologies like Spring Cloud, Apache Kafka and RabbitMQ.

- Advocated the practice of and enabled the adoption of extreme programming, pairing, continuous integration and continuous delivery for a successful path to building robust and resilient solutions with reduced time-to-market.

- Built and delivered containerized solutions to different cloud providers like Amazon Web Services and Pivotal Cloud Foundry.

Capital One Financial Services   **Dec 2015 – Sept 2018**

Senior Software Engineer, Jan 2017 – Sept 2018

Design, develop and deliver the next generation Card Decisioning Platform to help elevate the overall Capital One customer experience, as well as move away from Legacy applications, and leverage the latest cutting-edge technologies to build a reliable, robust, and highly resilient infrastructure on AWS (Cloud).

- Designed and architected a new framework, using Event Driven Architecture principles, to solve the problem of Microservices Orchestration of a business process along with ensuring guarantees, end-to-end status tracking, error handling and retries, and also reducing the overall development time by 40%.

- Designed, developed and implemented the Next Generation Decisioning Platform for Card Acquisitions, specifically the Application Capture and Fulfillment Business Domains.

- Successfully led the team's initiative to improvise the CICD Automation by adopting Containerization by the use of Docker with Jenkins and AWS Elastic Container Service, reducing the cloud cost by 30% and reducing the effort to maintain infrastructure for a Cloud environment with many microservices, by 60%.

Software Engineer / Senior Java Developer, Dec 2015 – Dec 2016

Design, develop and implement Reactive CreditLine Increase business process using Microservice Architecture principles. Design and develop the Business Process Orchestration Service to fulfill the Know Your Customer Federal Regulations for the Card Partnerships Line of Business.

- Led a team of individuals that were the key to designing and developing the business process orchestration service suite, using latest cutting technology like Spring MVC for REST APIs, JBPM, RabbitMQ, PostgresDB on Amazon Web Services (AWS).

- Developed and delivered the modernized reactive credit line increase business process as a microservice using Spring MVC, IBM MQ, PostgresDB, to enable the customer's request to increase the Credit Line on the card, to be fulfilled.

KForce Inc.   **June 2015 – Dec 2015**

Senior Java Developer at **Verizon Wireless**

Improvise and implement the Mobile Subscriptions - Recurring Billing process for Verizon Wireless for the whole of North America that takes into account the number of subscriptions and the billing date along with other factors to generate the billing invoice for each customer.

- Designed and developed a micro service using Spring Boot and Activiti Framework, with MyBatis and Oracle Database for managing the Recurring Subscriptions Mobile Billing for every customer.

Tata Consultancy Services Ltd.   **Oct 2008 – June 2015**

Lead Java Developer at **CVS Health**

Develop and maintain the Enterprise Pharmacy Prescription Dispensing application called RxConnect that would be used by all the Pharmacy stores in the CVS Health chain across the country.

- Designed and developed an Enterprise Monitoring System for monitoring the health of JVMs using Core java, JMX API and JFreeCharts API

- Designed and developed and pluggable Reporting framework in Java to fulfill adhoc reporting requests from business.

- Managed an effort for Oracle Database upgrade to 11G in production, ensured application compatibility, setup appropriate monitors for performance analysis between old infrastructure and new, and also performed RCA of the production issues.

EDUCATION

Bachelor of Technology, Information Technology, Amrita Vishwa Vidyapeetham, India