

Vijay Prasaad Kumarasamy Thiyagarajan

Full Stack Web Developer

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Objective

A self-motivated and highly skilled IT professional with strong experience and knowledge in problem solving. Highly organized and attention to details to provide high-quality software products to enhance user experience and in turn business.

Experience Summary

- 14+ years of experience in IT as Developer/Technical Lead in multiple projects, different business domains and geographical locations.
- 12+ years' experience in IBM Mainframe Developer and for **past 2+ years'** experience in **Full Stack Web Development**.
- Responsible in business and functional requirements gathering, creating solid Design documentation and Technical documentation in collaboration with business product owners.
- Analyze complex programs for enhancements that involves review of existing systems' configurations, operating methods and understanding evolving business needs.
- Proven development skill in web development.
- Architected and build automation tools, performance tuning, and data analysis, troubleshooting complex issues, providing resolution within service level agreement, reduced tickets thru enhancements, knowledge management and sharing in IBM mainframe.
- Experience in Water-fall and Agile Methodologies.

Educational Qualification

- **Full Stack Web Development Bootcamp – CareerFoundry (2019-2020).**
- Executive Certificate in Management Orientation with McIntire School of Commerce – University of Virginia – (2017-2018)
- M.Sc, Bharathiyar University (2002-2004).
- B.Sc, Bharathiyar University (1999-2002).

Domain Skill

- Banking and Financial Services (Students Bank Loan, Share Owner Services).
- Healthcare (Pharmacy Benefit Management).
- Retail Industry (Planning, Marketing and Merchandizing).
- Communication Media Technology (Education).

Technical Skills

Category	Skillset
Languages	JavaScript, Python, TypeScript, Java (SCJP1.4), Node.js
Front-end	HTML5, CSS3, SASS, LESS, SASS, AJAX, jQuery
Framework	React, Angular, Vue, Express.js (Web Service).
Visual Language	Bootstrap, Material Design, Responsive Web Design.
Web Service	REST API (RESTful Design Pattern)
Databases	Db2, PostgreSQL, MongoDB, Firestore
Tools	npm, Visual Studio, Atom, Parcel, Wireframe, Postman, Create-React-App, Babel, Mingle, Confluence, Jira
Version Controller	Git, GitHub
Operating System	Ubuntu, Windows
Cloud	AWS Serverless Functions, Heroku, Firebase
IT Methodologies	Test Driven Development (TDD), Behavior Driven Development (BDD)
Testing Framework	Jest, Cucumber, Puppeteer
Ticketing Tools	ClearQuest
Mobile App Framework	React Native
Cutting-edge Technology	Progressive Web App (PWA),
Container	Docker

Organizational Experience

Entity	Designation	From	To	Duration
Cognizant Technology Solutions	Sr. Associate	April - 2006	Till Date	14.4 Years

Project Details

#1 Nurse Aide Application

Skillset : HTML5, CSS3, React, Node.js, Express.js, REST API, PostgreSQL
Version Controller : Git
Client : Pearson Education Inc. – PA, USA
Team Size : 10
Duration : Feb 2018 – till date (2.5 years)
Description : Pearson Education Inc. is an educational product and service industry in providing training, online programs, assessments and certifications to individuals, private and government organizations and educational institutions. Nurse Aide candidate application is an internal application where candidates' test scores, results and certification status are maintained.

ROLES AND RESPONSIBILITIES IN THE PROJECT:

- Design and develop UI components to replace internal legacy application using Reactjs framework.
- Design and implement the secure REST APIs (RESTful web service) using Node.js, Express.
- Develop token-based authentication for Rest APIs.
- Maintain solid security and coding practices.
- Perform unit testing using Chrome DevTools and work closely with QA to resolve application and requirement defects.
- Use GIT and Bitbucket to clone, push, merge and pull activities.
- Deliver task status in the daily scrum call.
- Liaison with DevOps team during deployment.

#2 Planning, Broadcasting, Marketing & Merchandizing (PBMM)

Skillset : COBOL, JCL, CICS, DB2, SQL, Datawarehouse
Tools : SPUFI, Intertest, FileMaster
Version Controller : EXTENDED LIBRARIAN INTERACTIVE PRODUCTIVITY SERVICES (ELIPS)
Client : Quality Value Convenience Inc. (QVC Inc.) – PA, USA
Team Size : 7
Duration : Oct 2016 – Jan 2018 (1.4 years)
Description : QVC Incorporated is retail industry which sells the products thru Online and Telemarketing. It has wide range of technology platforms that includes IBM mainframe, Stratus, .net, Java, Tibco and Dalet for broadcasting the videos of the telemarketing of the products.

ROLES AND RESPONSIBILITIES IN THE PROJECT:

- Worked in production support in handling mainly mainframe issues both in IBM and Stratus. In addition to that some of the issues with Java, TIBCO, JDA, etc. where there would be SOP.
- Being on-call support person, would readily look into the issues whichever paged from the service desk. Would work on them, reach out to the respective users or stake holders to understand the issues better and give confidence to them with the quick acknowledgement. Also based on the criticality, would involve client SMEs and/or Manager as per their support procedure.
- As a quick work around, would work on the adhoc tasks to ensure there are no interruptions on the business continuity.
- Would work on minor enhancement/bug fixes for production issues including analysis, coding, and unit testing and during deployment would coordinate with the change management team and ensure the deployment went thru successfully.
- Would schedule meeting with the client SMEs in prioritizing the incidents and clarifying the doubts related to the issues.
- Would schedule meeting with business team separately on prioritizing the incidents, which include issues present in other applications outside my scope.
- Would schedule daily status call on discussing the current and prioritized incidents to keep track of them, clarifying questions and coordinating in getting inputs from the SMEs and/or business.
- Would provide exclusive support during the peak seasons from September thru December, in particular during Thanks Giving Day and Christmas.
- Would work on the annual maintenance activity where there would be some system constrains and external tool like JDA.
- Would analyze and provide permanent solutions to the incidents which are occurring often, eventually reducing the number of incidents.

#3 Home Delivery Pharmacy (NRx)

Skillset : COBOL, JCL, CICS, DB2, CA7
Tools : SPUFI, Intertest, FileMaster
Version Controller : Endevor
Client : Express Scripts Inc – United States of America
Team Size : 5
Duration : Sep 2015 – July 2016 (1.11 years)
Description : Mail order or Home delivery pharmacy application exists in Mainframe technology and Java with predominantly online applications that involves highly critical, sensitive and life.

ROLES AND RESPONSIBILITIES IN THE PROJECT:

- Worked on development of new requirements and for enhancement/bug fixes for production issues including analysis, coding, unit testing, coordinating with QA team, set-up test data, and also coordinating with other cross-functional teams, technology teams, and deployment team and implementing them on time.
- Prioritize incident tickets from the ticketing tool remedy.
- Creating adhoc jobs, executing in test regions, getting business approval and scheduling jobs to execute in production environment.
- Delegating low priority and non-confidential data related tickets to offshore and owning the deliverables.

- Providing post production support and working on warranty items.
- Involved in peer reviews of code and unit test results.

#4 Copay Benefit Pricing System (Pharmacy Benefit Management)

Skillset : COBOL, JCL, CICS, DB2, CA7
 Tools : SPUFI, Intertest, FileMaster
 Version Controller : Endeavor
 Client : Express Scripts Inc – United States of America
 Team Size : 4
 Duration : Jan 2014 – Aug 2015 (1.8 years)
 Description : Copay setup for the groups or to the organizations for the various modes such mail, card or direct delivery methods in order to meet the policy requirement of both their members and their clients such as IBM, BSBMI, etc. The application exists in Mainframe and Java technology.

ROLES AND RESPONSIBILITIES IN THE PROJECT:

- Prioritize incident tickets from the ticketing tool remedy based on the weekly meeting between SME, business team and internal IT team.
- Batch job monitoring and providing on-call support 24/7.
- Addressing critical tickets and providing updates on the issues within 1 hour. Keeping the business and SMEs informed about the issue. Internally connecting with the team and driving towards the goal and solution on time.
- Building complex adhoc DB2 query to execute against production environment in order to fetch business requested report about the copay setup and other reports.
- Assigning low priority tasks, analysis tickets, coordinating with offshore to find the root cause of the issue.
- For any enhancement activities prepare design document and participate in solution design walk through.

#5 Mutual Funds (Banking Domain)

Skillset : COBOL, JCL, CICS, DB2, CA7, ESP
 Tools : SPUFI, Intertest, INSYNC, REXX
 Version Controller : Endeavor
 Client : Bank of New York Mellon – United States of America
 Team Size : 5
 Duration & Location : Dec 11 – Dec 13 (2.1 years) – Buenos Aires, Argentina.
 Description : The application exists in Mainframe technology with both online and batch applications for the fund value setup for the day.

ROLES AND RESPONSIBILITIES IN THE PROJECT:

- Production job monitoring and test region batch jobs such SYSI and QA jobs thru the ESP and CA7 scheduler facilities.
- Maintenance of data such as date and value for the funds thru adhoc job request with appropriate approvals.
- Fixing file transfer issue, taking proactive decisions during emergency day off due to natural calamities to ensure the jobs are kept on hold/cancel/force complete without any impact.

#6 Financial Markets & Treasury Services (Banking Domain)

ESPS Strategic Program Resource Pool

Skillset : COBOL, JCL, CICS, DB2
Tools : SPUFI, Intertest, INSYNC, REXX
Version Controller : Endeavor
Client : Bank of New York Mellon – United States of America
Team Size : 10
Duration : Sep 2008 – Nov 2011 (3.3 years)
Description : Application that is predominantly involved in generating tax forms, corrections, resending duplicate forms, finding dual citizenship and calculating the tax according etc. This application exists in Mainframe technology.

ROLES AND RESPONSIBILITIES IN THE PROJECT:

- Design and develop COBOL, DB2, CICS, JCL. Re-engineered complex application and multiple components in a single unit.
- Involved in Analysis and Design, Development of this project. Preparing appropriate documents on an industrial standard template and getting approval at each phase of the development.
- Prepare Unit test/System/UAT Test Plan and Test Summary reports.
- Reviewing the project deliverables.
- Supporting the end-to-end project execution and warranty support.
- Prepare Project plan, Technical implementation plan, and project estimation.
- Supporting the end-to-end project execution and warranty support.
- Raising, implementing and executing all the changes by raising Change Request.
- Performance improvement and automation expert specialized in CPU reduction, optimization, SQL tuning.
- Responsible for managing all aspects of projects from initiation to completion, delivering agreed solutions on time, to budget and fit for purpose
- Root Cause Analysis of Change Request.
- Resolving business queries.
- Participate in Solution design walk through.

#7 Student Loan (Banking Domain)

CLASS – Consolidated Loan Administration and Servicing System

Skillset : COBOL, JCL, CICS, DB2
Tools : File Master, SPUFI, Intertest
Client : Sallie Mae – United States of America
Team Size : 20
Duration : June 2006 – Aug 2008 (2.3 years)
Description : Student loan processing with its application predominantly exists in Mainframe technology. Maintenance and development of batch and online modules. Testing and defect logging were taken care.

ROLES AND RESPONSIBILITIES IN THE PROJECT:

- Involved in Analysis and Design, Development (coding, unit testing) of this project. Preparing requirements, design & test case documents using client specific templates, participating in reviews and receiving approvals at each stage of the development.
- Setting up the data for unit testing and executing the unit test cases.

- QA data setup and supporting QA team in executing the test cases.
- Volume Testing & logging defects.
- Reviewing the project deliverables.
- Analyzing maintenance tickets and debugging the issues thru batch or online interest tools.