RENUKA SETHUMADHAVAN

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* Experienced Release Engineer with 10 years of IT experience in full software development lifecycle – from concept through delivery of next-generation applications and customizable solutions.
* Experience in practicing DevOps, CI/CD, quality engineering and release management.
* Experience in managing, designing, developing and maintenance of near real time systems, distributed systems, and Azure cloud computing-based architecture.

**TECHNICAL SKILLS**

* Cloud Technologies: Microsoft Azure DevOps (CI/CD).
* Programming Languages & Technologies: C#, Visual Basic (VB.NET), C/C++.
* Database Technologies: Microsoft SQL Server.
* Concepts: OOAD, Data Structures & Algorithms.
* Version Control Tools: GIT, SVN, TFS, VSS.
* Other Tools: Jenkins (CI/CD), IBM CLM, Review Board, DOORS requirement management tool, VSTS, MS Project, Kibana, SharePoint, Salesforce.

**EXPERIENCE**

**Release Engineer/Manager -** *Wabtec Corporation* **March’21-Present**

* Work closely with PMO, Product Management, Development, and QA team in a continuous delivery environment.
* Create and manage release plans, including technical risks and resolve issues that affect release scope, schedule, and quality.
* Interface with customers on projects and risks.
* Use Azure DevOps for Ticket tracking, prioritize defects and enhancements, create/release pipeline, SW roadmap, scrum planning and code review.
* Responsible for conducting pre-Release Readiness Reviews, Release Readiness Reviews, RCAs and preparing Release notes.
* Responsible for Payment milestones, delivery commitments and Clarity alignment.
* Coordinate with other Release Managers and cross-functional teams towards dependent releases.
* Responsible for Product’s Cyber Security – Work on making the products CATO Compliance (Threat model, SAST, DAST etc.)
* **Tech stack:** Azure DevOps, Kibana, Jenkins, SAST, DAST, GIT, VSTS, C#, VB.NET, SVN, MS Project, MS Excel, Salesforce.

**Senior Software Engineer -** *Wabtec Corporation* **Dec’14-March’21**

* Built various Positive Train Control (PTC) functionalities to address critical safety and efficiency used by different Railroads.
* Built simulation, black box and debugging tools such for developing and testing Positive Train Control (PTC) systems.
* Implemented Positive Train Control (PTC) functionality that awarded the company 4.2 million dollars contract.
* Designed and implemented Active Directory service using LDAP for authenticated user login.
* Built Jenkins scripts for continuous integration and for End-to-End automation for all build and deployment.
* Integrated with Azure DevOps infrastructure for continuous build, test, and deployment (CI/CD) using GIT.
* Created and reviewed Test-Driven Development (TDD) documents and reviewed other developers code changes.
* **Tech stack:** Microsoft .NET Framework, C#, VB.NET, SQL Server, SVN, AMQP, Azure DevOps, Kibana, Jenkins, GIT, VSTS.

**Application Developer -** *Datalink Bankcard Services Company*  **May’14-July’14**

* Implemented external facing POS eMerchant Portaol application to review statements, monthly transactions, online guides etc.
* Imported data from different file sources to SQL Server for eMerchant app to use.
* Analyzed daily automated test reports with test managers and development leads.
* **Tech stack:** C#, JavaScript, JQuery, AJAX, HTML, CSS, VSS, Visual Studio, Microsoft SQL Server.

**Programmer Analyst -** *InfoSmart Systems* **Oct’13-Apr’14**

*Project: Compass Professional Health Services*

* Developed member login application for health benefit administration agents.
* Developed code, system design and test/QA plans for all solutions and coordinated the national/international rollouts.
* Led scrum meetings as per Agile methodologies to meet customer expectations, timelines with quality deliverables.
* Collaborated with the test team on smoke testing, black box testing, integration testing and ad-hoc testing.
* **Tech stack:** ASP.NET, C#, JIRA, XML, JavaScript, JQuery, AJAX, HTML5, CSS3, TFS, Visual Studio, Microsoft SQL Server.

**Application Developer -** *Hewlett-Packard Company*  **Jan’11 – Jun’12**

*Project: World Wide Site Ops-Website Maintenance*

* Developed GUI for HP.com Homepage & Gateway Pages - Content/links/Banner messages/Error messages.
* Handled web maintenance for Content Publishing/deletion/uploading/retirement for 72 countries.
* Performed unit testing, integration testing, backend testing.
* Designed, developed and maintained a set of enterprise class web applications in ASP.NET technologies – both frontend and backend.
* **Tech stack:** Visual Studio, ASP.NET, C#, SQL Server 2008, HTML, SDL Tridion 2009, CSS, Adobe Photoshop CS5.1, JavaScript, Sitebuilder.

**EDUCATION**

Master of Computer Applications – Amrita Vishwa Vidyapeetham University.

Bachelor of Computer Applications – Mahatma Gandhi University.