Visitha Baddegama

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Summary

- A full-stack web developer with more than 4 years of experience in enterprise software development
- Deep understanding in J2EE, Spring Boot/ MVC, Hibernate, Angular 5, MySQL/ PostgreSQL, Android and all web technologies.
- 2 years of experience in AWS and DO could deployments and DB configurations
- 4 years of enterprise applications development experience in PCI, manufacturing and healthcare domains
- The combination of technical (Senior Developer) and management (Team Lead/SCRUM Master)
- Keen on Agile processes as a tool helping teams to be effective in getting things done
- Keen on continuous delivery as a way of making those things live smoothly and seamlessly

Key skills

- **Programming Languages :** J2EE, Java SE, C# .Net, C, R Language (Data Mining), Android, Angular 5, JSF
- **Frameworks :** Spring (Boot, MVC, Core, Security, Data, AOP, REST), JWT, Hibernate, ELK Stack, JDBC, JNDI, LDAP, JPA, Servlet, JSP, ICEFaces, Quartz Scheduler, JMS, Jackson, ActiveMQ, WebsphereMQ, Logback, Log4j, Lombok, Jasper Reports, Jmeter, JOOQ
- **Web Technologies :** Angular5, AngularJS, Typescript, JavaScript, JQuery, JSON, XML, Bootstrap 4, HTML5, CSS3, Webpack, Gulp, AJAX, PHP, High Charts, Flot Graphs, Angular Datatables, Thymeleaf, Material UI
- **Database Technologies :** RDMS (MySQL, PostgreSQL, Microsoft SQL Server, SQLite), Liquibase, MongoDB
- **Server Technologies :** Tomcat, Glassfish, Jetty, IIS, XAMPP, WAMPP, Apache
- **Design Skills :** Object Oriented Analysis and Design (OOAD), GOF Design patterns, Database Design, J2EE Design Patterns, 3 Tier Architecture
- **Mobile Technologies :** Android, Phonegap, Cordova, JQuery Mobile
- **Development Methodologies, Testing and Continuous Integration :** Agile methodology, Agile SCRUM, RUP, TDD, JUnit, Karma, Jasmine, Selenium, Jenkins, Artifactory
- **Web Services :** REST APIs, WSDL, SOAP and other WS standards
- **IDEs :** IntelliJ IDEA, Eclipse, Visual Studio, Netbeans, JCreator, Android Studio, R Studio
- **Build Tools :** Maven, Ant, Make, Gradle
- **Source Control :** Bitbucket, Git, SVN, Microsoft VSS
- **Cloud Technologies :** Amazon AWS, DigitalOcean, Cloudbees
- **Operating Systems :** Windows 7/ 8/ 10, CentOS, Ubuntu, Linux Mint
- **Issue Tracking :** JIRA, JIRA Service Desk, JIRA Confluence, Tuleap
- **Other Technologies :** Docker, XShell, Xftp, Photoshop, Flash, OpenID, Joomla CM, XNA

Employment history

October 2017 – Present
Software Engineer, TrustPay Global Limited, Guildford, United Kingdom

PinPay - A secured payment gateway which provides consumers a simple and engaging payment experience when they want to complete purchases. It also enables merchants to trade in home and international markets by enabling them to take payments from consumers throughout the world in a wide variety currencies and through a range of international and local payment methods.

- Working as a full stack developer by writing quality and testable codes for new features and bug fixing.
- Upgrade entire old AngularJS front end to Angular 5.
- Follow test driven development in both front end and back end feature development..
- Simplifying acquirer bank failover mechanism.
- Integrate ELK Stack to the payment platform.
- Redesign platform's configuration module with latest web technologies to ease the configurations of all modules of platform and ease client on boarding process.
- Write selenium test cases to test system functions properly.

Technologies : Java EE, Spring MVC, Spring (Security, Core, REST), JWT, MySQL, Gradle, Angular 5, TypeScript, AngularJS, JUnit, Karma, Jasmine, Selenium, NPM, Webpack, Gulp, HTML5, CSS3, Hazelcast, Jenkins, Artifactory, Bitbucket, Lombok, Hibernate, JOOQ, Jackson, Jira, Tomcat, CentOS

May 2016 – September 2017 (~1 1/2 years)
Senior Software Engineer, MVV Information Technologies AB, Sweden, Sri Lanka

Casat 4.0 - The new version of old Casat system which has a high performance and so many new features together with modern graphs. Casat gives total control over the production workflow, from designer to finished product balancing manufacturing processes.
- Taking the ownership of new version of product and lead whole team
- Researching, designing and implementing the entire system architecture by analyzing existing product and future evolution
- Researching standard best practices, guidelines, procedures and development protocols of software development and establishing them in company
- Defining, documenting and communicating to ensure development team members are following best practices, guidelines and protocols
- Designing the DB architecture by analyzing existing product and future evolutions
- Creating detailed development estimations for each user story of new product
- Creating an initial prototype which includes all basic components together with best standard practices, layers, protocols and sharing it with team to build the product on top of it
- Working as a full stack developer for all core components and fixing bugs
- Conducting code reviews for my team members
- Doing lot of deployments at DO cloud environments
- Researching about innovative ideas which give more value additions and presenting them to management
- Following all Agile SCRUM ceremonies and executing full lifecycle
- Managing and guiding development team by giving KTs and resolving technological blockers
- Implementing the back-end as a REST API so any front end technology like AngularJS, Android or iOS application can be integrated to it easily and improving the security aspects

Technologies : JavaEE, Spring Boot, JWT, MySQL, Maven, Jenkins, Git, AngularJS, HTML5, Java Script, CSS3, PHP, JPA, Hibernate, Spring (MVC, Core, REST, Data, Security), JMS, AMQ, Jackson, Apache POI, Junit, JQuery, Tuleap, Digital Ocean Cloud services, PHP, Tomcat

Casat - An advanced web application which gives total control over the production work flow, from designer to finished product balancing manufacturing processes.
- Determining the technological feasibility of each of the client requirement
- Working as a full-stack developer by writing software codes for new modules and fixing bugs
- Increasing the product performance by identifying current technological and architectural limitations and implementing new mechanisms
- Writing well-designed efficient algorithms and testable codes following industry standards
- Integrating client's existing 3rd party systems into Casat to fetch data and use them
- Introducing industry best practices and tools which support efficient development, deployment, testing and continuous integration
- Conducting code reviews and maintaining the code quality
- Carrying out detailed and ballpark estimations for each client requirements

- Introducing new reports to the system to display useful information
- Deploying the product at both client's on premise and DO cloud environments
- Integrating ELK Stack to the product to extract and display useful insights
- Responding to client requests and maintaining a good relationship with them
- Writing, updating and maintaining technical documentation and requirements
- Guiding young development team by giving product knowledge, clarifying requirements and resolving technological blockers

Technologies : JavaEE, Spring (Core, Batch, Integration), Maven, PostgreSQL, Git, JSF, ICEFaces, Hibernate, JMS, WMQ, ActiveMQ, Jackson, Apache POI, HTML5, Java Script, CSS3, Jasper Reports, ELK Stack, Artifactory

Digital Instructions (DI) - An interactive dashboard module which is located at each station of production workflow to display all worker's instructions in organized and dynamic way, track interferences and generate reports.
- Determining the technological feasibility of each of the client proposed requirement
- Working as a full-stack developer by writing software codes for new modules and fixing bugs
- Introducing industry best practices and tools which support efficient development, deployment, testing and continuous integration
- Increasing the product performance by identifying current technological and architectural limitations and implementing new mechanisms
- Carrying out detailed and ballpark estimations for each client requirements
- Introducing new reports to the system to display useful information
- Deploying the product at both clients on premise environments and Digital Ocean cloud environments

Technologies : Java EE, Spring (MVC, Core, REST, Data, Security, Boot, Batch, Websocket), Maven, Git, AngularJS, Hibernate, JMS, Jackson, Apache POI, HTML5, Javascript, CSS3

March 2017 – Present
Mentor of Google Summer of Code, Systers, an Anita Borg Community (Open Source)
- Mentoring GSoC students at Systers, an Anita Borg Community for their new project, PC Prep Kit.

Feb 2014 – May 2016 (~2 1/2 years)
Software Engineer, Brandix i3 (pvt) Ltd, Sri Lanka (Fortude)

Mortality Review System (MRS) - An advanced web application which will review and analyze hospital's mortality cases and extract useful insights from them together with user management and site management. It also includes lot of reports, a dashboard, and graphs which display information related to mortality cases in a timely manner and have some administrative reports. And the application is aimed to reduce preventable medical errors at a hospital.
- Working as a full stack developer for all core functionality development and bug fixes from the beginning
- Integrating ELK stack and generated graphs to see each of client's product usage as a helicopter view
- Developing a notification module, so if some special criteria is met with the DB data, notifications will be sent to all corresponding parties and users can see their notifications same as Facebook notifications
- Integrating JIRA service desk module to the application so that users can directly raise their concerns to an authorized party through the application
- Conducting Tech Talks about Data mining and Machine Learning.
- Responding client requests came through the service desk every day
- Developing lot of graphs and reports which display information extracted from mortality cases
- Integrating an auditing mechanism to audit all the things happening in the application
- Doing lot of client deployments in Amazon AWS cloud and on premise environments
- Extending application authentication mechanism to login using LDAP credentials
- Adhering to the tough time lines of weekly sprints to deliver quality working product at the end of each sprint and followed all Agile SCRUM ceremonies
- Using Spring and Hibernate knowledge effectively and integrating new features in a portable manner
- Participating to all architectural and technical team meetings.

Technologies : Spring MVC3, Hibernate, MySQL, Liquibase, ELK Stack, Bootstrap, Apache Velocity, Maven, LDAP, Amazon AWS, Log4J, Quartz Scheduler, Java Mail API, JQuery, Material UI, CSS, JavaScript, High Charts, Jetty, Tomcat, XShell, Xftp, SVN, JIRA, Linux, JIRA HelpDesk

Guardian Angel – An advanced web application Dashboard which is built on top of OpenMRS that displays the patient's current data, extracted information, and patient's status in real time based on patient observations
- Involved as a full stack developer for all core functionality development and bug fixes from the beginning.
- Integrated Queueing mechanism to de-couple and make asynchronous, operations of Dashboard and incoming data from EMRs.
- Developed graphs to see patient's status during a selected time period.
- Involved with client deployments on premise. Delivered quality working products at the end of each sprint and followed Agile SCRUM ceremonies.

Technologies : Spring MVC3, Hibernate, MySQL, Drools, ActiveMQ, WSO2 ESB, WSO2 DSS, Maven, AJAX, XML, JQuery, CSS, JavaScript, LDAP, Flot Charts, Tomcat, XShell, Xftp, Linux, SVN, JIRA

Iceberg Product Suite - Iceberg is a product invented by Brandixi3 which gives a centralized access to multiple health care applications. Currently its combination of three major applications named "VR (Voluntary Reporting Tool), GTT (Global Trigger Tool), and MRS". I worked on Voluntary Reporting Tool which can track incidents happening at a hospital by the hospital staff or anonymous users through a wizard. Then all incidents can evaluate and review via a standard workflow and initiate action items to prevent those incidents.
- Assigned as a team member to deliver a customized VR solution for local hospital chain.
- Developed few Pareto charts to see incident breakdown by site, time and incident's workflow status.
- Involved with requirement gathering with the local client and documented all requirements.
- Involved as a full stack developer for all core functionalities, reports, and bug fixes.
- Successfully developed all new features and reports within 3 sprints and followed all SCRUM ceremonies.

Technologies : Spring MVC3, Hibernate, MySQL, Liquibase, ThemeLeaf, Apache Velocity, Jasper Reports, AngularJS, Maven, Amazon AWS, Logback, JQuery, CSS, JavaScript, HTML, High Charts, Jetty, Tomcat, XShell, Xftp

May 2012 - November 2012
Trainee Software Engineer, IronOne Technologies (Pvt) Ltd, Sri Lanka

JobsMatcher Mobile Client - An advanced Phonegap mobile application for job seekers from which users can apply for available and suitable jobs according to their qualifications. Run in both Android and iOS mobile platforms.
Technologies : Phonegap, HTML5, CSS3, JavaScript, JQuery mobile, AJAX, JSON

JobsMatcher Backend - Web based application of the 'JobsMatcher' which connects with mobile client and Website. Employers can post their jobs, find suitable applicants and seekers can find job vacancies.
Technologies : C#, ASP .Net MVC2, IIS, Microsoft SQL Server 2008, Entity Framework, AJAX

BoardAPP - Web application to manage an organization's meetings efficiently.
Technologies : C#, ASP .Net MVC2, IIS, Microsoft SQL Server, JQuery

SalesOne - Web A native Android application for insurance companies to manage client's payments.
Technologies : Android, Java, SQLite, XML, AJAX, JSON, C#, ASP.Net MVC2

Education
July 2009 - February 2014 - BSc (Hons) in Engineering

Department of Computer Science and Engineering, Faculty of Engineering,

University of Moratuwa, Sri Lanka.

Languages
English Fluent spoken & written
Native Sinhalese