

# RUKMANI VIJAYAKUMAR

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8+ years of experience facilitating cutting-edge engineering solutions with a wide range of web application and technology skills. Extensive expertise in large system architecture development and hence was actively involved in multiple projects a year.

## CERTIFICATIONS

**Amazon Web Service Cloud Practitioner**

**Dec 2022**

## WORK EXPERIENCE

### PRODUCT ARCHITECT

### SIEMENS PLM SOFTWARE

**July 2021 - Present**

- Work closely with customers to understand their needs and provide guidance and mentoring on the design, configuration, development, and deployment of single-domain technical solutions.
- Work with Consultants, Solution Architects, Project Managers to ensure that the customer succeeds in their objectives
- Act as project technical work stream lead for specific project work streams on small to medium projects requiring a full-time specialist resource, and support project management activities such as estimating, work package breakdown and project planning and monitoring, where required.
- Support larger and more complex projects on dedicated product related expert topics typically for a limited timeline.
- Influence product strategy and vision and help translate it to customers in simple and creative features.

### FULL-STACK WEB DEVELOPER

### SIEMENS PLM SOFTWARE

**May 2018 – July 2021**

- Implemented multiple crafty algorithms using Object Oriented concepts and Java Programming in agile software development processes including contributing to daily scrum, Test-Driven development (TDD) and Continuous Integration (CI/CD).
- Architected Service-oriented architecture (SOA) and directed its initiative from requirements gathering to implementation.
- Implemented web applications using Java Spring framework, AngularJs framework, Node.js, Express, and Gulp stack by consuming RESTFUL webservices (JSON and XML) and following the latest development approaches such as MVC and OOP Javascript.
- Contributed to the development of multiple features in a thin-client application, increased adoption of application by 30%.
  - Implemented an intuitive customer-end administration feature that resulted in early detection of issues by 18% without requiring additional technical support.
  - Contributed to the development of the Classification feature, which helped in increasing customer collaboration with their stakeholders.
  - Contributed to the UI development of Business objects mapping feature thus helping customers during the prototyping and brainstorming phase to determine relevant objects.
  - Architected and implemented software analytics feature thus improving our software solution by mining customer system flows, data usage and work processes.
  - Wrote code for integration, unit, acceptance and regression testing using Jasmine, Karma, Selenium, and Cucumber test frameworks.
- Actively interacted with the customer and the Product Owners to design and architect the functional requirements by analyzing the technical requirements.

### SOFTWARE ENGINEER

### SIEMENS PLM SOFTWARE

**May 2015 - May 2018**

- Contributed to the development and maintenance of the Rich Client application using Java, SQL, and Oracle database which helps in installing, updating and deploying features and templates.
  - Implemented a cleanup utility that deprecates and deletes old libraries and jars files thus minimizing downtime by 13%.
  - Introduced compression methodologies and algorithms thus improving deployability by 16%.
  - Provided support during escalation time by troubleshooting customer issues thus earning 100% issue-resolving scores.

### SOFTWARE ENGINEER INTERN

### SIEMENS PLM SOFTWARE

**May 2014 - May 2015**

- Designed, created and implemented a powerful search feature, Apache Solr on thin-client application. Also, prototyped and demonstrated new ideas of feasibility and leveraging Solr capabilities.
- Wrote efficient search queries against Solr indexes using Solr REST/Java API.
- Improved unit and regression tests using Mockito framework thus increasing the test coverages from 3% to 80%.

### SOFTWARE ENGINEERING SPECIALIST

### NORTHERN KENTUCKY UNIVERSITY

**May 2013 - May 2014**

- Contributed to the development of multiple projects in Drupal, Joomla, Wordpress and CodeIgnitor framework.
- Proactively participated in assisting other team members and conducted seminars on WordPress and Drupal.
- Handled and delivered projects at once that exceeded customer's expectations.

## SKILLS

C++, JAVA, AngularJs, HTML5, CSS3, Bootstrap, Javascript, Typescript, SQL, Node.js, Git, Selenium, Cucumber, Junit, Karma, Apache, Maven, Jenkins

## EDUCATION

MS in Computer Science

Northern Kentucky University

Aug '12 – May '15

BS in Information Technology

Jeppiaar Engineering College, Chennai

Aug '08 – May '12