

# Abinand Ambadi Sivakumar

## Software Developer

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### Summary

- 6 years of technical experience in full-stack web application development, product prototyping, systems integration, performance engineering and solution design.
- Domain knowledge of e-commerce, digital marketing, customer relationship management, information systems, 3D graphics, virtual reality and augmented reality.
- Creative yet organized, with a natural passion for learning and stays updated on current trends in technology.
- Permanent Resident of Canada.

### Primary Skills

- |                    |                 |                 |            |
|--------------------|-----------------|-----------------|------------|
| • JavaScript (ES6) | • MS SQL Server | • REST services | • Three.js |
| • Node.js          | • C#            | • jQuery        | • Git      |

### Secondary Skills

- |             |           |            |                    |
|-------------|-----------|------------|--------------------|
| • Docker    | • ASP.Net | • Vuforia  | • RegEx            |
| • Bootstrap | • MySQL   | • Unity 3D | • Core Java        |
| • React     | • Redis   | • WebGL    | • Hadoop ecosystem |

### Education

#### **Bachelor's Degree in Computer Science and Engineering, 2007-2011**

First Class with Distinction

SSN College of Engineering, Kalavakkam, Tamilnadu, India

Canadian Equivalent (Credential Assessment by World Education Services): Bachelor's degree (four years)

### Employment History

#### Lister Technologies

##### **Technology Specialist** (*Jun. 2016 – Nov. 2017*)

- Developed micro-services on Docker/Node.js for an online storefront using functional programming techniques that enabled provision of cost-optimized shipping options during customer check-out, based on warehouse location and real-time product inventory.
- Built a web service orchestration feature within a software platform to trigger digital marketing campaigns on Oracle Responsys by processing event streams from BigCommerce web-hooks.
- Developed Node.js packages on the Node-RED platform to manage resources via XML-RPC on Magento installations.
- Performed coding, troubleshooting and maintenance of features on an e-commerce website implemented in *ASP.Net*, coordinating with client-side technical and business teams.

#### Self-Employed

##### **Freelance Software Developer** (*May. 2015 – Jun. 2016*)

- Developed a responsive frontend with 3D visualization and editing features using three.js, Bootstrap and Google Maps API on a web application for optimization of rooftop solar panel installations.
- Developed a prototype mobile app using Vuforia SDK and Unity 3D that uses an augmented reality overlay to provide interactive visual tutorials on the usage of gym equipment.
- Created augmented and virtual reality experiences for real-estate advertising campaigns in collaboration with 3D artists, using Vuforia, Google Cardboard SDK, and Unity3D.

## **Lister Technologies**

**Junior Technology Specialist** (*Dec. 2014 – May. 2015*)

**Senior Software Engineer** (*Oct. 2013 – Nov. 2014*)

**Software Engineer** (*Jul. 2012 – Sept. 2013*)

- Full-stack developer for an ASP.Net e-commerce website of a Fortune 500 nutraceutical company.
- Developed analytics solution with *Hadoop (HDFS, Flume, Spark)* to expedite lead nurturing using natural language pattern matching on data aggregated from Pardot and Salesforce CRM.
- Assist business development team with architecture and technology consulting by designing solutions and creating proposals for CRM and e-commerce projects.
- Fulfilled customization of social CRM websites based on the Lithium platform including UI widget development and data migrations from legacy knowledge bases.
- Completed *ASP.Net* projects with agile (scrum) model on application re-architecture, administrative tools, user experience enhancements and back-end business feature implementations.
- Executed integration of on-premise and hosted CRM installations with cloud services such as Zendesk and Google business apps using *Java and .Net* web services, custom plug-ins, and *jQuery* widgets.
- Created C#/SSIS console-based batch jobs for secure extraction and transfer of customer purchase data for co-branded credit card rewards.
- Designed and implemented Salesforce CRM canvas apps using Java deployed on Heroku, featuring Twilio telephony integration.

## **Harland Clarke Holding Software India (Previously GlobalScholar)**

**Performance Engineer** (*Jun. 2011 – Jun. 2012*)

- Developed data generation framework with C# and SQL Server to synthesize a large volume of virtual user data which was used for simulating anticipated load and volume patterns for performance testing.
- Developed configurable dashboard as an administrative module for a web application enabling faster and more accurate reports of load test execution.
- Developed remote performance monitoring application for Windows platform that aggregates server metrics across the farm, for alerting and reporting KPIs.

## **Awards and Recognition**

- “Spot award” for implementing a library to enable the transition of cryptography operations from a legacy software implementation to a PCI (payment card industry) compliant hardware security module.
- “Spot award” for reducing dependency on vendors by developing in-house APIs for integrating MS Dynamics CRM with Zendesk.
- “Above and Beyond award” for architecture and implementation of content management tool that enabled marketers to edit product pages for Search Engine Optimization.

## **Languages**

**English:** Full Professional Proficiency (Read/ Write/ Speak)

**French:** Novice (Read/ Write)