Abinand Ambadi Sivakumar
Software Developer (NOC 2174)

Email: abinand.as@gmail.com   **Skype:** abinand.sivakumar

Summary of Qualifications

- 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, CRM, 3D graphics, virtual reality and augmented reality.
- Creative yet organized, with a natural passion for learning and stays updated on current trends in technology.

Primary Skills

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

Secondary Skills

• Docker	• MySQL	• Unity 3D	• HDFS
• Bootstrap	• ASP.Net	• Vuforia	• Apache Flume
• React	• Reg Ex	• WebGL	• Apache Spark
• Redis	• TFS	• Java	• Apache Pig

Professional Experience

Technology Specialist at Lister Technologies:
(Jun. 2016 – Present)

- Developed micro-services in *Node.js* with functional programming techniques that enabled provision of cost-optimized shipping options, based on warehouse location and product inventory.
- Designed and implemented solution for real-time inventory calculations for the client's website.
- Performed coding, troubleshooting and maintenance of business features on an E-Commerce website implemented in *ASP.Net*, coordinating with technical teams from the customer side.
- Recognized with "spot award" for enabling efficient transition of cryptography operations from a legacy implementation to a payment card industry compliant HSM (hardware security module).
- Implemented an orchestration system as a feature of a proprietary software product, to trigger digital B2C marketing campaigns by processing event streams from BigCommerce web-hooks.
- Developed *Node.js* packages for *Node-RED* to manage resources via xml-rpc on Magento installations.

Freelance Software Developer:
(May. 2015 – Jun. 2016)

- Developed a responsive 3D modelling frontend for a web application incorporating shadow simulations, using *WebGL/ three.js, Bootstrap and Google Maps API*, for visualization and optimization of rooftop solar panel installations.
- Developed a prototype mobile app that provides interactive visual tutorials on usage of gym equipment using an augmented reality overlay.
- Created augmented and virtual reality experiences for real-estate advertising campaigns in collaboration with 3D artists, using *Vuforia, Google Cardboard SDK and Unity3D*.

Junior Technology Specialist at Lister Technologies:
(Dec. 2014 – May. 2015)

- Assisted business development team with architecture and technology consulting by designing solutions and creating proposals for CRM and E-Commerce projects.

- Developed analytics solution with the *Hadoop ecosystem (HDFS, Flume, Spark)* to expedite lead nurturing using data collected from Pardot and Salesforce CRM.

- Aggregated data from disparate sources and leveraged NLP algorithms to find similarity in data patterns for marketing analytics.

Senior Software Engineer at Lister Technologies:

(Oct. 2013 – Nov. 2014)

- Full-stack developer for the E-Commerce website of a Fortune 500 nutraceutical company.

- Completed *ASP.Net* projects on application re-architecture, administrative tools, user experience enhancements and back-end business feature implementations.

- Recognized for work on modular architecture implementation for a content management tool.

Software Engineer at Lister Technologies:

(Jul. 2012 – Sept. 2013)

- Executed integration of MS Dynamics CRM with cloud services such as Zendesk and Google business apps using *Java and .Net* web service connectors, plug-ins and *jQuery* widgets.

- Implemented one of the first Salesforce CRM canvas apps featuring Twilio telephony integration.

- Recognized with "spot award" for reducing dependency on external vendors.

- Fulfilled customization and data migration of social CRM websites based on the Lithium platform.

Performance Engineer at GlobalScholar:

(Jun. 2011 – Jun. 2012)

- Developed configurable performance dashboard as an administrative module for a web application.

- Developed *C# and SQL* based data generation framework, to synthesize large volume of virtual user data, which was used for simulating anticipated load and volume patterns for performance testing.

- Developed remote performance monitoring application that aggregates server metrics across the farm, for alerting and reporting KPIs.

Educational Credentials

Bachelor's Degree in Computer Science and Engineering, *(2007-2011)*
First Class with Distinction
SSN College of Engineering, Kalavakkam, Tamil Nadu, India

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

English Language Proficiency

IELTS band (General)   : 8.5
Equivalent CEFR level   : C2

Immigration Status

Canadian Permanent Resident