

# Lakshmanan Vivek

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ORACLE®

Certified Professional

Java SE 6 Programmer

*Experienced Software Engineer with diverse set of skills in computer science technologies, seeking work to meet new challenges and provide innovative solutions.*

## EDUCATION

### M.S. in Computer Software Engineering

- San Jose State University, CA, U.S.

Dec 2018 (Expected)

**CGPA - 3.90**

### B.E. in Computer Science and Engineering

- Anna University, Chennai, India

Aug 2010 – May 2015

## TECHNICAL SKILLS

- **Programming Languages:** Python, Core Java, PHP, C, C++, R
- **Database:** MySQL, PostgreSQL, MongoDB, Neo4j, Redis, Apache Cassandra
- **Web Technologies/Frameworks:** HTML/5, CSS, Django, Flask, JavaScript, Bootstrap
- **Data Technologies:** XML, JSON
- **Tools/ Technologies:** Git, Perforce, PyCharm, Eclipse, NetBeans, IntelliJ, Photoshop, AWS, Docker

## EXPERIENCE

### Investnet | Yodlee, Bangalore, India

Software Engineer

Aug 2015- Dec 2016

- Experience in Java Selenium, PL/SQL, MySQL, REST API's, JSON, XML.
- Developed web crawlers using java selenium to scrape financial data from institutes such as Lloyds Bank, Royal Bank of Canada, ANZ, AMP Bank etc.
- Monitored the success rate of entire Australia and New Zealand locale and maintained those web-crawlers.
- Improved overall ANZ locale web crawler rate of success from 90.82% to 97.12%. Reduced average latency of web crawling by 28%.

### MS Live Technologies, Chennai, India (Intern)

Associate Web Developer

Aug 2013- Jan 2014

- Collaborated on developing core product ([MS Live](#)) using PHP, HTML, CSS and JQuery.
- Developed several automations for generating reports and invoices using Python Selenium.

## PROJECTS & PUBLICATIONS

- **Product Recommender System – “MAXIMA”** [Team Size: 4]  
Role: Architect and Developer  
Tools Used: R, Kafka, Flask-python, Twilio, and Apache Cassandra  
This is a product recommendation web application system using Business Intelligence, which recognize patterns in sales using Association Rule Mining (ARM) and helps in customer retention.
- **Research Funding Alert Automation System – “BiTech Automaton”** [Personal Project]  
Role: Developer  
Tools Used: Flask-python, HTML5, CSS3, NLP Keyword Extraction, JSON, python-Selenium  
BiTech Automaton automates the funding alert system by using Natural Language Processing to extract words, Selenium web-scraping to auto-fill the funding alert system.
- **E-Commerce Market-Place – “SPARTAN-DEALS”** [Team Size: 4]  
Role: Team-Lead, Architect and Developer  
Tools Used: PHP, JavaScript, JQuery, MySQL, JSON and cURL  
A Fully Functional e-Commerce Market-Place application with features like product tracking system, instant product search feature, review system, product ranking, PayPal integration and many more.

- **Personal Task Organizer Application – “NOTIFY”** [Personal Project]  
Role: Developer  
Tools Used: Django-python, HTML5, CSS3, Bootstrap and Twilio system.  
Notify is a small but useful personal task organizer web application. Using this system, we can create, edit, delete reminders and get notifications through email and mobile messages.
- **Tap2Pay Money Transactions using Near-field Communications** [Team Size: 3]  
Role: Team-Lead and Developer  
Tools Used: C#, XAML, Visual Studio, NFC API, Windows 8.1 app  
With Tap2Pay customers can transfer money by tapping their mobile phones. The main objective of the project is to start digitization of currency and reduce the usage of physical currency.
- Published a research paper titled “**Wireless Voice Intercom System using ZigBee Technology**” which achieved in devising an intercom system with high power efficiency and less interference.

## **CERTIFICATIONS**

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- Oracle Certified Professional, Java SE 6 Programmer.
- Oracle Workforce Development Program Certification in Web Component Development using Java Technologies.