# Vinay Pataley

*Software Developer*

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## Experience

**June 2018 – Present**    **Software Developer, American Automobile Association(AAA)**,     **Heathrow, FL**.
- Built Rest Services using Google Maps APIs, Kivera and SADA Cloud Integration to provide the service provider with accurate Geo information of the consumer.
- Improving the location service on a regular basis based on the feedback received from individual clubs to build a comprehensive solution.
- Enhanced Grid Assignments, which assigns breakdown locations of vehicles to customized grids and also recommends providers based on vehicle's location, in Locations module .
  **Environment - Java, SQL, Android, REST.**

**Nov 2017 – May 2018**    **Software Developer, BI Solutions**,     **Frisco, Texas**.
- Developed a REST based real-time monitoring dashboard to visualize the Analytics data using Google Charts APIs,
- Implemented search functionality in the dashboard to filter the analytics data based on custom user parameters.
- Streamlined the testing process by building a test suite using JUnit Framework.
  **Environment - Java, Android, React Native, REST, JSP, Google Charts**

**Feb 2017 – Oct 2017**    **Android Developer, MEA Mobile**,     **New Haven, CT**.
- **iArtView for Android**   *Java, SQL, Android*
- Responsible for developing the core components of iArtView App - viewing the available products and order history.
- Developed the App's Search and Quick Purchase feature using MVC Pattern.
- Migrated the back-end services for iArtView from Facebook's Parse SDK to Back4App, a mBaaS provider.
- **Yale Project - Department of Pyschology** *PHP, XAMPP, HTML, CSS*
- Developed adaptive modules for response inhibition, distress tolerance, risky decision making and experimental tasks.
- Developed Web Based PASAT-C Module using XAMPP Stack and displayed real-time user statistics Google Charts.
- Created Stop-signal, an impulse control task with audio based assignments to record the impulse behavior of a person.
  **Environment - Java, Android, SQL, PHP, HTML, CSS, XAMPP**

**July 2014 – June 2015**    **Project Intern, Quick Eagle Solutions**,     **Hyderabad, India**.
- Developed a private searching mechanism to extract documents from the server without revealing the search criteria.
- Constructed a mechanism to search for documents in a stream with a count higher than a specified threshold.
- Customized it to save and retrieve previous searches specific to a profile and also download documents.
  **Environment - Java, JSP, SQL**

## Volunteer Experience

**Sep 2015 – Nov 2015**    **Tutor, Bridgeport Caribe Youth Leadership(BCYL)**, Math, English,     **Bridgeport, CT**.
- Volunteered as a tutor for BCYL, a community program, as a tutor for young students.
- Taught them Math and Verbal skills and provided guidance and feedback.

## Projects

**Dec 2016 – Jan 2017**    **Movie Gallery**.
- Built a Movie Gallery App using TMDB's Rest API to filter and search movies based on different parameters.
- Used caching techniques to reduce the amount of network calls made and improve the performance.
- Built an interactive and rigorous UI by using various views and layouts.
  **Environment - Java, Android, JSON**

**Jan 2016 – May 2016**    **Interactive Restaurant Website**.
- Developed an end-to-end web based application for viewing nearby restaurants using XAMPP Stack.
- Used MySQL database to store and retrieve data and gave a rich UX using bootstrap.
- Developed real-time chat feature between the end user and the restaurant team using Java Web Socket APIs.
  **Environment - Java, PHP, XAMPP Stack, Linux, Javascript, HTML, CSS, Bootstrap**

**Sept 2015 –** **Portable File System**.
**Dec 2015** ○ Developed a user level file system with a flat file as memory storage which supports traditional file system operations.
○ Implemented command line options to access the metadata of the files such as listing the files and managing the directories.
○ Used linked allocations and indexed allocations for free space and free block management.
**Environment - Java, Eclipse**

## Education

**Aug 2015 -** **Masters in Computer Science**, *University of Bridgeport, School of Computer Science*, **Bridgeport,CT**.
**Dec 2016** **Course Work:**
○ Operating Systems, Distributed Systems, Analysis of Algorithms, Advanced Java, Advanced Database Design

**Aug 2011 -** **Bachelors in Computer Science**, *Osmania University*, **Hyderabad, India**.
**June 2015** ○ Computer Networks, Data Structures and Algorithms, Cloud Computing, Database Systems

## Computer Skills

Languages Proficient in Java, Experience in C, C++, Python, Android, Kotlin, SQL, Web(HTML, CSS, Javascript)
Technologies Spring, Bootstrap, Parse, Android, React Native, REST, JSP, Git, XAMPP, Google Analytics
Certifications Udacity Android Nanodegree, Microsoft Certificate for Windows 8 App Development, Cisco certified Routing and Switching essentials.

## External Links

Linkedin https://linkedin.com/in/vpataley
Github https://github.com/vinayp20
Portfolio https://flyingkiwi.xyz