16897 Robey Drive
San Leandro, CA, 94578

Bhargav Jhaveri

919-348-9390
bhargavjhaveri@gmail.com

Education   LinkedIn

Master of Computer Science   GPA: 3.87/4.0
North Carolina State University, Raleigh, NC   May 2017

Bachelors of Engineering in Electronics and Communication   GPA: 3.85/4.0
Nirma University, Ahmedabad, India   May 2012

Technical

- **Languages/ SDK**: Java, Python, Android, Google Glass SDK, JDK, AWS SDK
- **Architectures**: MVC, MVP, REST, SOAP
- **Misc**: AWS, DigitalOcean, Redis, Ansible, Jenkins, Randoop, Twilio, IBM Bluemix
- **Sites**: StackOverflow, GitHub, Medium

Coursework

- DevOps, Object Oriented Design & Development, Internet of Things, Design and Analysis of Algorithms, Computer Networks, Compiler Construction, Data Intensive Computing, Advanced Data Structures

Experience

Senior Developer, Dolphin Pharmacy, Inc., Oakland, CA   July 2017- Present
- Developed the software solution to allow drug dispense from the robot. This software solution removes the human error and improved the system performance 200% when compared with human drug filling.
- Designed software architecture and programmed for automating drug dispense, sealing and verification process. This flow improved the overall system confidence because of the automation and verification.

Product Research Intern, **VMWare AirWatch, Atlanta**   May 2016 – Aug 2016
- Researched on the browser performance benchmarks, identified the blocking features regarding garbage collection and VPN tunneling. This helped to achieve higher throughput and lower latency.
- Identified features in new versions of Android and iOS, presented use-cases encompassing different products of Enterprise Mobility Management which would improve the product.

Software Development Engineer, **Meditab Software Inc., India**   Nov 2012 – Jul 2015
- Designed Android and Google Glass apps for health care providers which allow them to view/add/update patient details. Streamlined product features, planned project milestones by coordinating with teams across the organization. Designed tasks for a team of 7 members, resulting in a product with structured development.

Projects

- **Autonomous Drug Dispenser:** Designed the software solution which allows a robotic car to pick an empty pack, fill the drugs, prints drug information and seal the pack. The system is designed to fill multiple drug packs in parallel. The system uses a central resource manager to control other components. Multi-threading and Finite State Machines were the key concepts used to make the system scalable.   Language: Python
- **DevOps CI/CD Pipeline:** Automated build process in response to git commit via Jenkins GitHub Plugin. Post build process - test, and analysis were performed and detailed coverage report was generated. Deployed Ansible configured robust code in an automated way to the production environment. CPU performance was monitored and automatic scaling took place if required. Green/Blue deployment strategy and canary planning ensured smooth deployment and rollback if required. Screencast link   Language: NodeJS, Python

- **Android app:** Developed <u>Android</u> and <u>Google Glass</u> apps for healthcare practitioners. Apps make use of Android/ Google Glass SDK and communicate securely over HTTPS via RESTful web-services. Applications were developed using MVC architecture and followed Google recommended design guidelines to make the application more modular and scalable. Other apps: [IMSGo](#), [FAA](#), [Patient Care](#), [mRx](#)   Language: Android, Java
- **Big Data Pipeline using Lambda Architecture:** Implemented the data ingestion module and set up the infrastructure in AWS of a Big Data Pipeline which combined data from Google Finance and Twitter to display the changing sentiments of people in real-time as well as over a particular period with changing stock prices. Apache Kafka was used for the data ingestion, Spark streaming was used for real-time processing and Cassandra was used to provide higher availability. [Presentation](#)   Language: Scala, Python