Santanu Chakraborty

San Jose, CA 95113 | (669) 226 – 8385

santanu.chakraborty@sjsu.edu | linkedin.com/in/santanuchakraborty16 | github.com/santanusetu

SUMMARY :

Software Engineering Graduate student 3+ years of professional experience seeking Full Time career opportunity.

EDUCATION :

M.S., Software Engineering - GPA 3.70	San Jose State University, San Jose, CA	May 2016
B.E., Computer Science - GPA 3.69	Bangalore Institute of Technology, Bangalore, India	May 2011

Relevant Coursework: Object Oriented Design, Enterprise Software Platforms, Software Systems Engineering, Cloud Technologies, Virtualization Technologies, Software Quality Assurance, Smartphone Application Development, Enterprise Distributed Systems, Web and Data Mining, Mobile Test Automation, Introduction to Big data

TECHNICAL SKILLS :

Programming Languages :	Java, C++, C, Python
Web Technologies :	HTML5, CSS3, JavaScript, Bootstrap, Noje.js, High Charts, JSON, Web Services
Framework :	Android , iOS, viJava, RxJava, EMDK for Android, Selenium, Espresso, Appium
Tools & Databases:	Amazon EC2, Amazon RDS, Amazon Beanstalk, Salesforce, Maven, Puppet, GitHub, SVN, Atlassian Tools, VMware, Docker, Apache Tomcat, PuTTY , MongoDB, SQLite
Operating System :	Windows, Linux, Mac OS

WORK EXPERIENCE :

Software Engineer Intern   **@WalmartLabs, Sunnyvale, USA**   **Jun 2015 – Dec 2015**

- Increased Walmart Grocery delivery productivity by developing *"**Smart Pickup and Delivery Experience (SPADE)**"* mobile app that allows real time shipment loading, tracking, notification and validation. *(Android – RxJava – SQLite)*
- Developed "**BarCodeScanner**" module for compatible EMDK devices. (*EMDK for Android – Retrofit – Web Services*)
- Expanded limited framework for automated test execution. Involved in unit testing and debugging of the app. *(Appium)*

Senior Systems Engineer   **Infosys Ltd, Bangalore, India**   **Sep 2011 – Jul 2014**

- Constructed UI for "**Origin Gaming Platform**" and optimized the code. Achieved 100% client satisfaction for the module in the project for EA Sports, USA. *(HTML5 – CSS3 – JavaScript)*
- Developed "**Photo-Gallery Application**" to display, share photos on TV. Performed performance tuning of the system and responsible for bug fixing under strict deadlines. *(Java – Android – Agile Methodologies)*
- Worked as full stack developer for "**HD Video Tele-Presence**" application that provides Audio-Video calling and messaging functionalities on top of client provided Set Top Box. (*Android – Java – Web Services – SVN*)

RELAVENT ACADEMIC PROJECTS :

- **Amazon EC2 Instance Monitoring –** Developed a dashboard to monitor CPU, memory, n/w, disk statistics of EC2 instances. In high load, alerted user with automated message. *(AWS API – Node.js – Bootstrap – High Charts –Twilio)*
- **iShare: The Joy of Sharing –** Developed app for sharing unused food items. Delivered notification using *GCM*, displayed items using *Google Maps API*, leveraged BaaS using *Parse SDK. (Android – Parse SDK – REST API)*
- **MovieBuddy –** Built Android app consuming Rotten Tomatoes APIs that provide info about upcoming and in-theater movies. Used open source libraries including Retrofit, Otto, Butterknife. *(Android – RESTful Web Services)*
- **Mobile Application Testing –** Performed automation testing on Facebook mobile app for Android and iOS. Prepared unit test plans and executed them accordingly. *(Appium – Selenium – TestNG)*
- **Disaster Recovery Management Utility for VMs –** Created an availability manager to monitor the health of virtual machines and auto restart or migrate in case of VM failure. *(viJava – VMware ESXi – vSphere client)*
- **Shortest Time to Destination –** Created application to find shortest time b/w patient's location to nearest hospital, considering vehicle traffic. Integrated maps & designed frontend using bootstrap. *(Java – Bootstrap – Google API)*

ACHIEVEMENTS & AWARDS :

- **Android Apps on Google Play Store with 10000+ downloads –** Conceptualized and built apps to provide news updates from leading newspapers. Successfully published and currently available for download in Google play store.
- **Star Performer Award** at Infosys Ltd for extending product support to multiple devices. **Individual Excellence Award** for leading *Self Governance Team – Infosys Mysore*, **ElasticBox: DevOps Hackathon**, 2014 top 10 participants.