

# SANTANU CHAKRABORTY

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## SUMMARY:

Ambitious Software Engineer with over 4 years of hands-on experience in high impact application & product development.

## TECHNICAL SKILLS:

<b>Programming Languages</b>	: Java, C++
<b>Web Technologies</b>	: SOAP & RESTful APIs, HTML5, CSS3, JavaScript, Bootstrap, Angular, High Charts, JSON
<b>Frameworks</b>	: Spring MVC, Spring Rest, Android, RxJava, viJava, Appium, Selenium, Junit, Mockito
<b>Tools &amp; Databases</b>	: Amazon EC2, Maven, Puppet, Git, SVN, VMware, Apache Tomcat, PuTTY, MongoDB, SQLite, MySQL, DB2, JMeter, Burp Suite, Jenkins, Splunk, Atlassian Tools

## WORK EXPERIENCE:

- Senior Software Engineer** **VISA Inc., Austin, USA** **Jul 2016 – Present**
  - ✓ Part of Visa's Risk & Authentication team, building "**Visa Risk Manager-Long Term Architecture**" project. Product has annual turnover of ~\$85 Million and used by major banks all around the world.
  - ✓ Actively designing & building RESTful Web Services, monitoring application using Splunk. (*Java – Spring MVC – Splunk – REST*)
- 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 – REST – SQLite*)
- Senior Systems Engineer** **Infosys Ltd, Bangalore, India** **Sep 2011 – Jul 2014**
  - ✓ Developing front end for "**Origin Gaming Platform**" and optimized the code for EA Sports, USA. (*HTML5 – JavaScript*)
  - ✓ Developed "**Photo-Gallery Application**" to display, share photos on TV for Comcast. Performed performance tuning of the system and responsible for bug fixing under strict deadlines. (*Java – Android - Git*)
  - ✓ Worked as Android 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*)

## RELEVANT ACADEMIC PROJECTS:

- ✓ **Digital Wallet** *Java | REST API | MongoDB | Spring MVC | AWS EC2 | Postman*

Developed a Digital Wallet system to store various account related details like ID cards, website logins, bank accounts. Created RESTful API's in Spring MVC, stored back-end data in MongoDB, deployed code in AWS and used Postman client to test API's.
- ✓ **iShare: Food Sharing Android Application** *Android | Java | Parse SDK | REST API | MongoDB*

Led a team of 4 to built an Android app for sharing unused food items among registered users. Delivered notification using GCM, displayed different items with locations using *Google Maps API*, leveraged BaaS using *Parse SDK*.
- ✓ **Web, Cloud – Amazon EC2 Instance Monitoring** *AWS API | Bootstrap | REST API | Twillio | High Charts*

Built a real time dashboard to monitor CPU, memory, network, disk statistics of logged in user's EC2 instances. If any of the instances are under high load, it notifies the user using Twillio REST API.
- ✓ **Daily Stock Forecaster** *Spring Rest | Neural Networks | Twitter Sentiment Analysis | Amazon EC2*

Developed an application to analyze whether particular stock will go up or down next day. Used a combination of neural networks, decision tree regression model, twitter data for prediction model. Code deployed in Amazon EC2.

## EDUCATION:

<b>M.S., Software Engineering</b>	<b>(GPA 3.70/4.0)</b>	San Jose State University, San Jose, CA	May 2016
<b>B.E., Computer Science</b>	<b>(GPA 3.69/4.0)</b>	Bangalore Institute of Technology, Bangalore, India	May 2011

**Relevant Coursework:** Object Oriented Design, Enterprise Application Development, Cloud Computing & Virtualization, Distributed Systems, Quality Assurance, Smartphone App Development, Web & Data Mining, Mobile Test Automation

## ACHIEVEMENTS & AWARDS:

- ✓ Conceptualized, built and published **Android Apps on Google Play Store**. Currently with 10000+ downloads.
- ✓ Received **Star Performer Award** at Infosys Ltd among 100+ employees for contribution to projects. **Individual Excellence Award** for leading *Self Governance Team – Infosys Mysore*, **ElasticBox Hackathon**, 2014 top 3 participants.