

## Work Experience

### Software Engineer (August 2013 – present)

Shoppoke Pvt. Ltd, Bangalore, Karnataka

*Android SDK, Java, Ruby, Google Analytics, Urban Airship, HTML, JavaScript, CSS 3.0*

- Responsible for end-to-end development of Android apps in various domains i.e. Travel, Hotels, mCommerce
- Mentoring a team on development of other Android apps.
- Portfolio
  - Hotel Supplier App: <https://play.google.com/store/apps/details?id=app.hex.axisroomssupplier>
  - ShopPoke App: <https://play.google.com/store/apps/details?id=app.shoppoke>
  - Two other apps for Via.com are under testing.

### Visiting Graduate Researcher (January 2012 – May 2012)

Risk Analytics Lab, Dalhousie University, Halifax, Canada

*PHP, HTML, JavaScript, CSS 3.0, KML, Google API's, MySQL*

- Improved upon an existing earthquake event notification system to automatically collect and parse data from various sources whenever an earthquake occurs and visualize them using Google Earth.
- Implemented models to calculate the expected financial losses caused by an earthquake
- Visualization of data was categorized at four different levels which gave company a nice global view of loss distribution at various levels which would allow them to view any relation between the losses and their relative investments in each region of the world.

---

## Educational Qualification

### Master of Computer Application (July 2009-May 2012)

Indian Institute of Technology, Roorkee, Uttarakhand

### B.Sc. (H) Information Technology (July 2005-May 2008)

Aligarh Muslim University, Aligarh

---

## Technical Skills

- |                                |  |
|--------------------------------|--|
| • <b>Programming Languages</b> | Android, Core Java, Ruby   |
| • <b>Web Technologies</b>      | HTML, JavaScript, CSS  |
| • <b>Operating System</b>      | Windows, Linux   |
| • <b>Software Packages</b>     | NetBeans 7.1, DevC++, Xampp 1.7.7, MS Office, My SQL Workbench, Eclipse, Android SDK |
| • <b>Databases</b>             | MS Access, My SQL  |
| • <b>Languages known</b>       | English(S/R/W), Hindi(S/R/W)   |
-

## Project Experience

### **Intrusion detection and identification of misbehaving nodes in MANET (August 2011 - November 2011)**

*C++, TCL, NS2 Simulator*

This project is about finding the misbehaving nodes which accidentally or purposely start dropping the packets during the transmission from one node to another in a Mobile Ad-hoc Network and not allowing them to take part in the transmission of packets in any route.

### **GenX Chat Server (November 2010 - December 2010)**

*Java, Socket Programming, MySQL*

This project was a multi-client, multithreaded chat application written on JAVA where the user can chat to multiple users at the same time or users can group chat.

### **Banking Management System (January 2007 – March 2007)**

*Visual Basic, MS Access*

On this project I worked on the disadvantages of the present systems and tried to improve the system.

---

## Academic Achievements

- 1<sup>st</sup> Prize JAVA JUGGLING at Sankalan'11 (Technical Fest of Delhi University - 2011)
  - Was among the top 1% students all over India clearing JAM-2009, conducted by IITs
  - Was among the top 1% students all over India clearing BHU's MCA Entrance -2009
  - AIR (All India Rank) – 5 in Birla Institute of Technology (BIT)'s MCA Entrance Examination – 2009
  - Was a volunteer during Cognizance 2010, Technical Fest of Indian Institute of Technology, Roorkee
- 

## Books Chapter

- E. Mason, A. Rau-Chaplin, K. Shridhar, B. Varghese and N. Varshney, "**Engineering a Distributed Earthquake Loss Estimation and Visualization System**", Annals of Information Systems, Springer, 2012.

## Journals

- C. Filliter, E. Mason, I. Patel, A. Rau-Chaplin, K. Shridhar, B. Varghese and N. Varshney, "**Post-Event Catastrophe Modelling: Rapid Data Integration, Loss Modelling and Visualization**" ACM Transactions on Information Systems, 2012.

## Conference Papers/ Workshops

- Astoul, C. Filliter, E. Mason, A. Rau-Chaplin, K. Shridhar, B. Varghese and N. Varshney, "Developing and Testing the Automated Post-Event Earthquake Loss Estimation and Visualization (APE-ELEV) Technique," Bulletin of Earthquake Engineering, August 2013
  - Astoul, C. Filliter, A. Rau -Chaplin, K. Shridhar, B. Varghese and N. Varshney, "**Risk Analytics for Estimating and Validating Magnitude of Earthquake Losses**," Workshop of the 24th International Conference on Database and Expert Systems Application (DEXA), Prague, Czech Republic, 2013
  - E. Mason, K. Shridhar, A. Rau-Chaplin, B. Varghese and N. Varshney, "**Rapid Post-Event Catastrophe Modeling and Visualization**" to the Workshop on Information Systems for Situation Awareness and Situation Management at the 23rd International Conference on Database and Expert Systems Application[DEXA], 2012.
-