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Professional Experience

- **Harman Connected Services** *Senior Software Engineer, April 2014 - Present*
  - Devloped Android modules for device management and FOTA update using Marimba technologies that attracted new customers
  - Developed logcollector, analysis and prediction modules using Elastic Search, Logstash and Kibana
  - Developed Windows service for heath monitoring of the Castanet tuner.I designed a generic framework for error detection and its remediation using conditional checks
  - Developed low cost proxy server on Raspberry Pi that integrates with Marimba components
  - Ported Marimba components to Linux ARM embedded platform and integrated it with Zigbee, MQTT and LWM2M protocols
  - Ported RSA-SSL modules to pure Java SSL implementation to support TLS 1.2 in Marimba
  - Owned resolution tasks of escalations/defects/RFEs from support team
  - Provided technical training, POCs, and conducted interviews for Dev, QA and support roles

- **MIT-World Peace University** *Guest Lecturer, September 2018 - November 2018*
  - In a paid Industry Connect Initiative Program, I have taken lectures for MCS students.
  - I have designed and delivered lectures on Spring and Hibernate frameworks that includes a series of practical exercises.

- **OpenWARP** *Opensource Contributer, August 2016 - October 2016*
  - In series of paid challenges from Topcoder, I have created installer for Windows, Linux and Mac.
  - created testscripts to test goeometries by porting third party libraries, bug-fixing and documentation.

Skills

- Desing and coding activities for availability, reliability, stability, manageability, scalability and security

- Excellent knowledge in Java, Android, Webservices and SQL/PLSQL Basics

- Strong ability to learn existing application quickly and make modifications

- Highly proficient interpersonal skills and ability to self manage tasks/timelines

- Strong core Java skills with good knowledge multi-threading, design patterns and system design

- Knowledge of various tools like Jenkins, Ant, Maven, Docker, Git, Perforce

- Strong knowledge of database systems, ElasticSearch, Logstash and Kibana

Projects

- **MOOC Projects** *Student, August 2016 - June 2018*
  - Udacity Android Nanodegree - completed the-moviedb-app, baking-app and waxtree-app projects.

- Udacity Deep Learning Nanodegree - completed bike-ride-prediction, sentiment-analysis using IMDB data, dog-image-classification using CNN, tv-script-generation using RNN and face-generation using GAN projects
- Udacity Flying Car Nanodegree - completed backyard-flyer, motion-planning, flight-controller and estimation projects

- **Stanford Scholar Initiative** *DRI, December 2016 - January 2017*
- **Beacon - final year project** *Student, August 2012 - April 2013*
  - created modules to find shortest path for ships (travelling salesman problem) using genetic algorithm.
  - created modules to maximize containers payload using bin-packing algorithm.

Education

- **Asia Pacific Institute of Information Technology** Panipat, Haryana
  B.E., Computer Science *August 2009 - September 2013*

  Courses: Mathematics, Algorithmics, Datastructure, Databases, Design Patterns, Project Management

Publications

- **Academic research paper:** Genetic Approach to Travelling Salesman Problem.

Awards

- GoldMedal (2013, awarded to top candidates of the graduating batch)