BINIT KUMAR

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**EXPERIENCE (6.5 years)**

**Harman** (Senior *Software Engineer) – (Java, C#, Infrastructure).* April 2014 – August 2020

* Developed Android modules for device management and FOTA update using [Castanet](https://services.harman.com/platforms/castanet-enterprise-product-suite) that allowed our team to get new clients in mobile device management domain. Our client Soul-cycle (an exercise fitness company) uses this to push updates on their thousands of exercise-bikes.
* Developed log collector and analysis modules using Elastic Search and Logstash to integrate it with Marimba as well as standalone product for new customers. Later, I integrated with IOT kernel to get updates from embedded devices as well using MQTT and Zigbee protocols.
* Developed low-cost proxy server and ported Marimba components on Linux ARM embedded platform that allowed our team to pitch our new IOT products to our old customers.
* Lead internal teams (Infrastructure, Discovery, Targeting and Patching) to implement latest security standards TLS1.2 (Java SSL from RSA SSL implementation) with backward support.
* Owned resolution tasks/escalations/defects/RFEs from support team, provided technical trainings, POCs and conducted many interviews for Dev/QA/Support roles.

**Udacity** (Independent Consultant*) – (Python, Pytorch).* October 2017 – Present

* Mentor for Deep Learning Nanodegree where I guide students online and review their submission for TV script generation project using Recurrent Neural Network.

**Topcoder** (Opensource Contributor*) – (Python, Shell Scripts) August 2016 – October 2016*

* In series of paid challenges from OpenWARP, I have created installer for Windows, Mac and Linux and created test scripts to test their geometries by porting third party libraries, bug-fixing, and documentation

**PROJECTS**

* [Drone Computer](https://github.com/binit92/FlyingCarNanodegree) [Python, C++ ] - Motion Planning, Estimation and Control module of drone computers
* [Final Year Project,](https://github.com/binit92/Beacon) Bachelors [C#/.NET] - Developed a genetic algorithm to solve Travelling Salesman Problem
* WaxTree [Firebase, Android] - An Anki app to create, save, share notes created using No SQL data models.
* Process Monitor Service [C#/.NET]- A windows service to monitor a process and kill/restart it if unresponsive

**SKILLS**

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| **LANGUAGES:** Python, Java | **FRAMEWORKS/TECHNOLOGY:**  SQL, NoSQL, Git, Shell, AWS tools |
| **CORE COMPETENCIES:** Data Engineering, System Design, Algorithms, Design Patterns, Distributed Systems | |

**EDUCATION**

Concordia University, Montreal, Canada - *Master of Applied Computer Science*  Jan 2021 - Aug 2022  
Staffordshire University, Panipat, India - *Bachelor of Technology, Computer Science* Aug 2009 - May 2013

**ACHIEVEMENTS**

* Winner of Internal Hackathon and presentation [Harman]: awarded by Vice president, Pune
* Got outstanding performer of the year for Marimba team [Harman]
* Gold Medal Award (2013, awarded to the top candidates of the graduating batch)