BINIT KUMAR

Montreal, Canada | kumar.binit1992@gmail.com | binitkumar.info | (514-209-5992) | linkedin.com/in/binit92/

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 Marimba Stack that allowed our team to get new clients in mobile device management domain. Our client soul-cycle (an exercise fitness company) was using this to push updates on their exercise-bike's screen.
- 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 [Python, C++] - Motion Planning, Estimation and Control module of drone computers
- Final Year Project, 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

LANGUAGES: Python, Java   **FRAMEWORKS/TECHNOLOGY:** SQL, NoSQL, Apache Spark, AirFlow, 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 - Dec 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)