TINTU JOSE

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4+ years of experience in Software Development with 3 years in Industry. Experience in Internet of Things (IoT). Passionate about software development. Has the ability to quickly learn and master new technologies; can also successfully work in both team and self-directed settings, along with persistence and focus on result. Good Knowledge and Experience in Data Structures and Algorithms.

EDUCATION:

University of California – Irvine, CA
MS in Embedded and Cyber Physical Systems: **2018**
(CGPA 3.75/4.00) (Computer Engineering)

Anna University – Chennai, TN, India
B. Tech in Information Technology: **2015**
(CGPA 8.69/10.00)
University Gold Medalist (*Fellowship)*

SKILLS

Programming: Java, C, C++, Python.

Web Technologies: HTML5, CSS3, JavaScript [ES6], React.js, REST API, AJAX, Webpack, SASS, Bootstrap, Express.js(Node.js).

Operating Systems: Windows, Mac OS, Linux, Raspbian.

Database: MySQL, SQL, MongoDB(NoSQL), IBM Cloudant.

Cloud Platform: AWS EC2, AWS S3, IBM Bluemix, Google Cloud Platform.

Others: Eclipse, Android Studio, Microsoft Office Suite, G Suite, Jenkins, Docker, Git, HTTP, TCP/IP, NPM, Yarn, Spring Boot, Agile, Jira, Confluence, AWS Elastic Transcoder, Google Analytics.

ACTIVITES:

+ Member of **Toastmasters International Club**, 2019
+ Member of **National Service Scheme**, 2011-2013.
+Youth Treasurer managing 45-member team, 2015-2017.

CONFERENCES & PUBLICATIONS:

+ NCONNECT, 2015
+ NCRASEM, 2015
+ ISER, 2016
+ IRAJ, 2016

EXPERIENCE:

Software Engineer-Full Stack at REELY CORP, CA, 2018 to Present

- Designed and developed video encoding applications for game highlights in AWS Elastic transcoding and Zencoder.
- Developed Piwik analytics tool with the video session and events handling done from the customer end.
- Involved in entire SDLC; requirements gathering, sprint planning's to gain good domain knowledge of application.
- ***Technologies: Java, Express.js, REST API, JSoup, Web Scraping, Python, Agile, AWS EC2, AWS S3, AWS Elastic transcoding, React.js, ffmpeg, Linux.***

Software Engineer Intern at ICURO AUTONOMOUS LABORATORY, CA, 2018

- Designed applications for Electric Vehicle and an EV Charging Station Transacting Payments Live with IOTA
- Created machine-to-machine communication using MQTT between electric car and an EV charging station by utilizing IOTA.
- ***Technologies: JSP, MQTT, Python, IOTA, Tangle, Raspberry Pi.***

Management Software Engineer at JOGEO ENTERPRISES, Chennai, India, 2015-2017

- Designed and Developed full stack web app ERP software for Inventory, Manufacturing, Purchase, Sales and Accounting.
- Research, design and implement scalable applications for information identification, analysis, retrieval and indexing.
- Conceptualized and implemented technical initiatives, which improved customer base turnover by 8% in two years.
- ***Technologies: Java, JavaScript, HTML, CSS, Bootstrap, Microsoft Office Suite, G Suite.***

PROJECTS:

Stress Monitoring using Smart Rings in AWS EC2 - (Full stack developer), 2018

- Designed and developed an application to detect stress level of a person using smart ring.
- Improved the collected stress data by removing the noise using filter by 30%.
- ***Technologies: Android, Java, Python, REST API, BLE, Flask microframework, AWS EC2, MongoDB***

Burger Builder Application using React and Redux, 2018

- Designed and developed a single page application with proper components and is Mobile Responsive.
- ***Technologies: React.js, Redux, AJAX, Webpack, Babel.***

IOT Swarm connecting to IBM Bluemix Cloud- (Full stack developer), 2017

- ESP 8266 devices with photocell sensor are connected using TCP/IP.
- Raspberry Pi acts as the server gets the highest sensor value and send it to IBM cloud.
- IBM Bluemix for saving and retrieval through Cloudant database to conduct simple statistics on the data.
- ***Technologies: Python, IBM Bluemix cloud, IBM Cloudant(NoSQL), ESP 8266, Node-Red, Raspberry Pi, TCP/IP.***

Real-Time Canny Edge Detection Algorithm, 2017

- Executed the Canny Edge Detector Algorithm through OpenMP and POSIX threads.
- Enhanced throughput of Canny Edge Detector for real time video from 0.97 to 4.17 frames per second (FPS) & reduced execution time by 25%.
- ***Technologies: C++, SystemC, OpenMP and POSIX Multithreading***