Pushpdeep Gangrade

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EDUCATION

The University of North Carolina at Charlotte, Charlotte NC   **Aug 2019 - May 2021**
Master of Science in Information Technology   GPA 3.8/4.0
Rajiv Gandhi Technical University, Indore India   **Aug 2013 - May 2017**
Bachelor of Engineering in Computer Science

TECHNICAL SKILLS

Programming: JAVA, C++, C, HTML5, CSS3, JavaScript, Python, Kotlin
Scripting & tools: Shell, batch, Android Studio, REST API, IntelliJ, Jupyter Notebook, Atom, Eclipse, GraphQL
Databases: SQL, Oracle, MongoDB, SQLite, AWS S3
Platform and Libraries: Node.js, Firebase, D3.js, GitHub, Postman, MS Office, Telegraf, Influx DB, Grafana, AWS

PROFESSIONAL EXPERIENCE

DevOps Intern | Conservall, United States   **Jul 2020 – Aug 2020**
- Configured Influx DB for real-time database storage for ampere reading from Hot Drop.
- Created a dashboard in Grafana to visualize the ampere reading of Hot Drop. Create alerts, SMTP service to send notification emails.

Android Developer Intern | TWG Technologies, United States   **Jun 2020 – Aug 2020**
- Build advanced applications for the Android platform written in Kotlin using Android Jetpack. Work on bug fixing and improving application performance. Collaborate with cross-functional teams to define, design, and ship new features.
- Used Navigation component for the transition between fragments, View Binding, Work Manager for handling background tasks, Room database for on-device storage.

Software Engineer- Technology Integration | Amdocs, India   **Dec 2017 - Jul 2019**
- Configured monitoring tool using Telegraf, Influx DB, Grafana, and Kapacitor to monitor the network, system metrics in real-time which helped 90% of the time in root cause analysis.
- Configured eyeShare & developed workflows to automate the system, application tasks.
- Participate in regular Disaster recovery drills to analyze and improve recovery time and reduced issues.
- Set up and managed 90 Linux servers with 99% uptime. Used Jenkins tool to cut release time by 20%.
- Wrote scripts to automate security upgrades and operating environment refresh. Cut vulnerabilities by 25%, saved 40% time.

Software Developer Intern | Kangaroo Soft Pvt. Ltd, India   **Jul 2016 - Aug 2016**
- Participate in software development using Agile methodology. Perform debug and performance analysis of code & systems.
- Assist the Network Management Systems team with documentation, software design, development, and testing.
- Worked as Full Stack developer to develop a website for "Yes Fitness Club" using HTML, CSS, JavaScript, servlets, JSPs, and MySQL.

ACADEMIC PROJECTS

49ers App | Kotlin, Firebase, Google Places API, Location listeners
- Developed an android application for college-going students. It allows users to chat with others via chatroom.
- Users can translate text messages into their preferred language. Text-to-speech, Image-to-text, Speech-to-speech translation is provided using Microsoft Azure Translation and computer vision APIs.
- Users can request rides from other users in the 49ers app and can give a ride to others.
- Implemented Google Maps API, location listeners, and firebase real-time database for storing latitude and longitude of rides.
- In their free time, users can play the game "UNO" with other active members in the chatroom.

Meetup | Node.js, MongoDB, UI Design
- Developed a full-stack web application that provides service to organize online groups that host-in-person events for people with similar kinds of interest. Secured application by using node modules like the helmet, express validator module for data validation.
- Implemented the MVC model using the MEAN stack. Stored password in encrypted form using the Salt and Hashing technique.

Universal Notes | Nodejs, REST API
- Universal notes - Just like sticky notes which are accessible from anywhere from any device. Developed well-designed REST APIs. Consumed these APIs in integrating with the front end.
- Deployed application on the server, using Nginx reverse proxy. Wrote clear, concise, and comprehensive technical documentation.

Attendance Tracker | Azure Face Recognition
- Developed well-designed API for face detection and recognition using Microsoft azure cognitive services. APIs can be used in the Automatic attendance system, an automatic feedback tool by getting the emotion from faces.
- Developed playground for documentation using the swagger tool. Proper use of security measures.

Bitcoin price tracker | Mobile Development
- Android app to keep you updated on the bitcoin price with a beautiful line chart using mpAndroidChart library, Retrofit, and bitstamp API. Displays the order book for bids and asks.
- Used FirebaseJobDispatcher to schedule a job for sending an alert notification when bitcoin price has fallen below the threshold.

Smart Bulb BLE | IoT Beacons, Bluetooth Low Energy technology.
- Developed a mobile app to find nearby beacons using Bluetooth. The app can turn the bulb ON/OFF with the device.
- It has a "Find my device" feature when clicked it will start buzzing the beacon device.