

Pushpdeep Gangrade

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EDUCATION

The University of North Carolina at Charlotte, Charlotte NC

Master of Science in Information Technology

Aug 2019 - May 2021

GPA 3.8/4.0

Rajiv Gandhi Technical University, Indore India

Bachelor of Engineering in Computer Science

Aug 2013 - May 2017

TECHNICAL SKILLS

Programming: JAVA, Kotlin, JavaScript, C++, C, HTML5, CSS3, Python

Scripting & tools: Shell, batch, Android Studio, IntelliJ, Jupyter Notebook, Atom, Eclipse, GraphQL, REST API

Databases: SQL, Oracle, MongoDB, SQLite, AWS S3

Platform and Libraries: Node.js, AWS, D3.js, Firebase, GitHub, Postman, MS Office, Telegraph, Influx DB, Grafana

PROFESSIONAL EXPERIENCE

DevOps Intern | Conservall, United States

Jul 2020 – Present

- Configure Influx DB for real-time database storage for ampere reading from Hot Drop.
- Create 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.

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.

Bitcoin price tracker | Firebase Job Dispatcher, Retrofit

- Android app to keep you updated on the bitcoin price with a beautiful line chart using MPAndroidChart library, and bitstamp API.
- Used Firebase Job Dispatcher to schedule a job for sending an alert notification when bitcoin price has fallen below the threshold.

SMS API | REST API, Twilio

- Created a server application using REST API and Twilio messaging API. Users can fill out the health survey using our programmable messaging API for any past symptoms of corona they have and symptoms severity.

News App | REST API, JSON Parsing

- Developed Android app using newsapi.org API, JSON parsing, RecyclerView to list the results, and Picasso for rendering images.
- App uses child thread to perform data retrieval and parsing. Clicking on a news item opens the news URL in WebView.

Shopping app | REST API, Braintree Payment API

- Developed REST API for User management, cart management, order history, and transaction history.
- Users can check out products from shopping cart using a Credit card or PayPal payment method. Used Braintree payment API.
- QR scanner is implemented to add the product into the shopping cart by scanning the bar code.

Bidding-System | Firebase transaction, callable function, cloud functions, Android

- Users can post items for bid on the system, accept and cancel the bid. Users can add money to their account using a credit card.
- Used firebase callable function to develop API, firebase transactions to update balance, and cloud functions to send a notification.