

NEHA PAUL

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SUMMARY

- Highly Motivated and technically proficient Software Developer with 3+ years of software development experience.
- 1+ year of Industry experience spanning Front-End development, Android development and implementing CRM solutions.
- 2+ years of Academic experience focusing on Cloud technologies, Full-Stack development and Android development.
- Proficient in Angular, HTML, CSS, Bootstrap, NodeJS, JavaScript and Java.

SKILLS

WEB TECHNOLOGIES

JavaScript, HTML, CSS, JSON, Angular, React(Beginner), NodeJS, ExpressJS

LANGUAGES

Java, PHP, Python

CLOUD COMPUTING SERVICES

Amazon Code Deploy, Amazon EC2, S3, VPC

MOBILE DEVELOPMENT

Android

TOOLS

Jenkins, GIT, Tableau

TASK RUNNING TOOLS

Grunt, Gulp

DATABASE

MySQL, MongoDB, Oracle

CRM AND ERP PLATFORMS

Dynamics NAV, Salesforce

VIRTUALIZATION PLATFORMS

VMware ESXi, Virtual Box, HyperV

TESTING PLATFORMS

Jasmine, Karma, Protractor

EDUCATION

SAN JOSE STATE UNIVERSITY, CA, USA

MASTERS IN SOFTWARE ENGINEERING, MAY 2017

KURUKSHETRA UNIVERSITY, INDIA

BACHELORS IN COMPUTER ENGINEERING, MAY 2009

PROFESSIONAL EXPERIENCE

ERICSSON (FOR MOBILE PROGRAMMING LLC) (SOFTWARE ENGINEER INTERN)

SOFTWARE ENGINEER INTERN | SANTA CLARA, CA | AUG 2016 - DEC 2016

- Created Android TV application for Ericsson Smart Home project.
- Used MQTT to send messages from Android Tv application to backend code on raspberry pi.
- Worked with Ericsson CTO to create a virtual environment using MIT open hybrid for Smart Home.
- Worked as a part of Ericsson Innovation team to present Smart Home Application to C class employees.
- Used Docker, Git and Resin.io to deploy the application to Raspberry Pi.

MOBILE PROGRAMMING LLC (SOFTWARE ENGINEER INTERN)

SOFTWARE ENGINEER INTERN | SANTA CLARA, CA | APRIL 2016 - AUG 2016

- Assisted in developing Android application for water level management using Samsung ARTIK.
- Created Android application using Google Brillo and Intel Edison for Water Level Management project.

BASIC GOV (SOFTWARE CONSULTANT)

SOFTWARE CONSULTANT | VANCOUVER, CANADA | OCT 2014 - JAN 2015

- Deployed change sets to customer portals managed by Basic Gov.
- Managed customer database (Salesforce DB query management).
- Worked on Salesforce CRM solutions and proprietary Basic Gov software to create letters and generate reports.

OMNI LOGIC SOLUTIONS, INC (SOFTWARE CONSULTANT)

SOFTWARE CONSULTANT | VANCOUVER, CANADA | JULY 2013 - SEPT 2014

- Interacted with the customers for requirement gathering.
- Interfaced between the customers and primary developers and helped developing the prototypes.
- Created several packages for NAV and their corresponding documentation.
- Helped in the deployment of the software at customer site and create reports using Microsoft Dynamic NAV.

OFFICE OF THE CHIEF JUDGE (INTERNSHIP)

INTERNSHIP | VANCOUVER, CANADA | SEPT 2011 - DEC 2011

- Deployment and verification of the newly developed server systems on various platforms.
- Provided a wide array of technical support to the employees at the Office of the Chief Judge.

ACADEMIC EXPERIENCE

SAN JOSE STATE UNIVERSITY

(PROJECTS)

▪ **Eventapture (Re - Invent News)**

- Eventapture is a web and Android based application specifically made for news. It is a platform for the users to share their stories, like the stories, audio or video comment on stories and have a community where users can have other users as their followers and can follow other users.
- The Approval tool attempts to detect and eliminate fake news.

Contribution:

- Back - end: Designed, developed and tested the Node REST APIs for services related to User Facing Application.
- Approval Tool: Designed, developed and tested the MEAN Stack application for admin portal.
- Cloud: Deployed the application in AWS EC2 instance.
- Front - end: Social Authentication in Angular 2 using Firebase
- MongoDB: Worked on database schema design for Admin tool and Main application.

Technology Used: HTML5, CSS3, SCSS, Typescript, Angular, JSON, Android studio and SDK, Dagger2, Butter Knife, Retrofit, RxJava and RxAndroid, Fabric, Facebook Authentication API, AWS Android SDK, Node JS, Express, Morgan, Cookie-Parser, Body-Parser, Kafka, Zookeeper, Apache Hadoop, Apache Spark, Cassandra, Elasticsearch, MongoDB.

▪ **SPOT IT Android App**

- Spot It is an Android application that is used to sell and buy things around the current/interested location of the user.
- Location is selected using Google picker API and the maps are updated based on real time data coming from Eve Python REST API framework which is connected to Mongo DB.
- The images/ videos of the product shown in Augmented Reality to the user. The application backend is deployed on Amazon EC2 and S3 in order to store pictures and feed it to the front end.
- Implemented AR user interface using Vuforia Sdk and Android Ndk (e.g.- Virtual Video playback on a physical target.)

Contribution:

Created major portions of the Android application. Used Google picker APIs to select the user's current location and to create a pin on the Google maps. Real time information fetched from the server via web service APIs.

Technology Used: Android, Eve, Google APIs, Vuforia Sdk, Android Ndk, MongoDB, Amazon EC2, Amazon S3.

▪ **Mobile Testing as a Service (MTAAS)**

- Crowd sourced Mobile Testing as A Service (MTAAS) platform which allows users to register as Testers or Application Developers.
- MEAN Stack SAAS Application deployed on Amazon Bitnami instances with Elastic load balancer, S3, SQL databases and Multitenant environment.
- This application features the testers to be rewarded with incentives after the completion of the successful testing.
- MTAAS features different billing modules to be selected by the App Developers. The Application Developer chooses either between pay as you go plan or fixed pay plans.

Contribution:

Created front end using HTML, CSS, Bootstrap and AngularJS. The data displayed in the front end was fetched from the server using APIs from NodeJS connected to an instance of Mongo DB.

Technology Used: Bootstrap, CSS, JavaScript, AngularJS, NodeJS, MongoDB, Amazon Bitnami, Amazon S3.

▪ **Matrix App**

- Created an Employee portal in AWS Cloud with integrated Active Directory from AWS and Social Media Single Sign ON. Authentication done using Auth0.
- Used AWS Code Deploy and GitHub to push the latest code to EC2 instance automatically when changed.

Contribution:

Created a web application and deployed the application from local machine to Amazon EC2 instance using GitHub and Amazon Code Deploy.

Technology Used: Mean Stack, Amazon Code Deploy, Git/GitHub, Auth0

(MORE PROJECTS LISTED ON [paulneha](#) and also on [GitHub](#))