



Pratik Upacharya

Your Problem Solver

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About me

An Innovative, enthusiast, full stack engineer with excellent problem-solving skills and experience in building enterprise grade applications.

Javascript Stack

Javascript, Nodejs, MongoDB, Redis, Angularjs, AWS, Elasticsearch, Git, Android, MySQL, Postgres, Raspberrypi, Java, Solr, React-Native, Python, Protractorjs, Mocha-Chai, Jasmine, HTML, CSS, Bootstrap, ES6, Typescript, Algorithms, Data Structures, Design Patterns, Object oriented programming, Webpack, Gulp, Grunt, Jira, Docker, Jenkins, Confluence, REST, D3 Chartjs, Highchartjs, Leafletjs, Linux, Large scale distributed systems, Django, PHP, Chrome Extensions, Command line utilities

Database

MongoDB, Redis, Cassandra, MySQL

Languages

Javascript, Java, Python, PHP

Others

MongoDB, Redis, Cassandra, MySQL

Courses

Algorithms, Data Structure, Object Oriented Programming, Machine Learning, Distributed System

Selected Projects

Productivity Assistant

Designed and developed an AI product for Xoriant Hackathon in 2016 which works like Amazon Echo Dot for web. Implemented multiple Google API in Nodejs like speech to text, text to speech, distance etc.

Autonomous Robot Car

Implemented multi-threading in python to perform asynchronous task like controlling car, obstacle detection, image processing etc. Increased the number of message transfer between raspberry pi and computer by 10 times by implementing websocket over http which further reduces number of tcp connections. Created android application to control car.

Device Tracking System

Created a web and android application to track android device at real time using background services and GCM. Reduced battery and data usage by 37 percent by using efficient algorithm for background services with timer. Implemented this concept in "Trabus" android application to find and track buses in city at real time.

E-Greeting Cards Platform

Designed and developed "E-Greeting card" web application to send greetings to friends by customizing predefined templates. Created templates like 3D rotating cube in D3.js with 6 images around each side of cube and one heart shaped animation with flowers.

Thane Traffic App

SOS application especially build for women safety in thane. Increased productivity and usefulness of application by implementing push notification system to send alert using GCM.

Experience

Software Engineer, Xoriant

Aug 2016 - Current

Developing a web service API in a mission critical, security sensitive environment using Nodejs. Responsible for writing api, automating deployment by shell scripts, gulp automation, documentation of source code, writing unit tests. Continuously learning and improving skills. Fulfilling clients requirements using Elastic search, MongoDB, AngularJS and several javascript libraries.

Co-Founder | CTO, Thweelo, Nagpur

Dec 2015 - Aug 2016

Build a web and android application for renting two wheeler. Implemented retrofit library to reduce http connection time by 100 times than in-built Apache http connection in android.

Full Stack Engineer, EnergyLabs, Nagpur

June 2014 - Aug 2015

Learned android and web development, build "Thane Traffic App" for thane city which was launched by Mr. Amitabh Bachchan on 27 Feb 2015. Build back-end web application to manage questions, user answers and admin rating on users answers for "whatsyourexcuse.co".

Education

2012-2016 B.Tech Computer Science And Engineering

6.43 CGPA

Ramdeobaba College Of Engineering, Nagpur, India

Achievements/Awards

- Won Xoriant Hackathon in Dec 2016.
- Won Gold Medal in Hackerrank Week of code 17.
- Taught Android Application Development to 200 students in RCOEM (FEB 2016).
- Won Overnight coding competition at COMPUFEST.

