



Pratik Upacharya

Your Problem Solver

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About me

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

- Give me the Internet.
- Give me the Laptop.
- Give me the Problems.
- I will solve each of them.

Javascript Stack

Nodejs, Express, Sails.js, Socket.io, Angularjs, React-Native, Expo.io, Protractorjs, Mocha-Chai, Jasmine, HTML, CSS, Bootstrap, ES6, Typescript, Webpack2, Gulp, Grunt, REST, D3, Chartjs, High-chartjs, Leafletjs, Chrome Extensions, Command line utilities, NPM, jQuery, ESLint, Service Worker, Progressive Web App

Database

MongoDB, Redis, Elasticsearch, Apache Solr, Cassandra, MySQL

Languages

Javascript, Java, Python, LaTeX, PHP

Others

AWS, Git, Android, Raspberrypi, Jira, Docker, Jenkins, Confluence, Bitbucket, Github, Heroku, Selenium

Courses

Algorithms, Data Structure, Object Oriented Programming, Machine Learning, Distributed System, Linux, Large scale distributed systems

Selected Projects

Productivity Assistant

Created a web based AI voice assistant which works like Amazon Echo Dot. Increased developer's productivity by 20%, saved 45 to 60 minutes by automating daily repetitive tasks like search StackOverflow, reminder, search files, switch projects etc.

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 custom efficient algorithm for background services with timer. Implemented this concept in Trabus android application to find and track buses in city at real time.

Autonomous Robot Car

Fabricated robot using Raspberrypi, created an android app to control car movements. Improved efficiency by switching implementation to web-socket over HTTP. Implemented face detection using Clarifai APIs

E-Greeting Card Sharing Platform

Designed and developed 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.

Experience

Software Engineer, Xoriant, Pune

Aug 2016 - Current

Created REST API's in a mission critical, security sensitive environment using Nodejs. Scaled applications to 800k request per day using HAProxy and cluster modules, redis, apache kafka, sharding mongodb, rabbitmq, elasticsearch. Reduced latency by 43% for average 800k requests per day using redis and LRU. Created custom dev-tools to save developers time which increased their productivity by 20-30% for repetitive tasks. Given 8 tech talks on various topics in organisation and Meetup Groups.

Co-Founder | CTO, Thweelo, Nagpur

Dec 2015 - Aug 2016

Led and managed a team of 5 developers from idea to product (two wheeler renting system like Zoomcar). Raised 60k from Ketto (Crowd funding).

Full Stack Engineer, EnergyLabs, Nagpur (Intern)

June 2014 - Aug 2015

Learned android and web development, build Thane Tracking 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.
- Won Gold Medal in Hackerrank Week of code 17.
- Conducted workshop on Android Application Development for 200 students.
- Won Overnight coding competition at COMPUFEST.