

PROFESSIONAL EXPERIENCE

Software Engineer

Faasos Food Services

Dec 2015 – Present

- **Backend Lead:** Developed & maintained all business related software (REST based Web Services). Microservices written in NodeJs, Python, ROR. Scaled MVP's to production level software consuming 30K requests per second. optimized, refactored & reduced errors by 25% of existing code base.
- **Devops Role:** Leveraged AWS lambda function to scale a serverless stack. Wrote algo to bid for cheapest & optimum spotinstances of server and deploy dynamically to scale horizontally.
- **Flagship Projects:** Designed from scratch a Material management system, Custom OAuth2.0 service for entire ecosystem (webapp, android/ios app, crm, cms, printer driver, pos software), self discovering Configuration Server, Time-series forecasting.
- **Current Project:** Designing & Developing an event based predictive user analytics platform.
- **Side Tasks:** Hiring & mentoring of new developers.

Full Stack Developer

Socomo Technologies - Jugnoo

June – December 2015

- **Main Role:** Created scalable, distributed and large scale web and mobile backend solutions from scratch, Full Feature Development - Designed, developed web based microservices with full ownership from wire-framing stage to final deployment
- **Frontend Lead:** Developed from scratch and maintained AngularJS Single Page Applications, used by 3k+ Operations Team. Headed a team of 4 developers.
- **Flagship Project:** The price surge model for mapping out real time supply vs demand ratio using a clustering algorithm (I wrote) for high demand areas.

EDUCATION

B.Tech (IT) 7.11/10

Institute of Technology, Bilaspur

April 2015

AISSCE- 85.6/100

Amity International School, Saket

May 2010

AISSE 89.6/100

Somerville School, Noida, India

May 2008

LANGUAGES AND TECHNOLOGIES

- Languages and Databases: Java, C, Ruby, Python, HTML, CSS, JavaScript, MySQL, MongoDB, Redis, DynamoDB
- Tools and Frameworks: Eclipse, NetBeans, Sublime, Ruby on Rails, jQuery, Bootstrap, NodeJs, AngularJS, ExpressJs, Git

TECHNICAL EXPERIENCE

Research Project

- **IRLCR [Indian regional Languages character recognition by Neural Classifiers]:** Used pyBrain to model an artificial neural network to classify and recognize inputimages as text. OpenCv used for image manipulation. Got 82% accuracy in identifying Devnagri Script.

Academic Projects

- **Load Balancing of Wireless Networks:** A socket programming project using Sigar API , using core JAVA, java servlets. Applied Round robin principle to balance the network load of ad-hoc wireless networks.
- **Penetration Testing of Wireless Network:** used backtrack distro oflinux to perform in depth penetration testing. Tested College Intranetfor Reconnaissance, Port Scanning, Vulnerability Scanning ,Exploitation Payloads

INTERSHIPS

Technical Intern

IT Department NTPC

May-June 2014

- Built CRM for internal audit purposes. Still Used at their Noida office.
- Technologies Used: HTML/CSS , JSP , Oracle Database, Tomcat Server

Php Developer

Roorkites Educational Publishers

May - June 2013

- Developed backend code in Php
- Wrote python scriptfor Web Scraping over 2k websites for books ISBN details

ADDITIONAL EXPERIENCE AND AWARDS

- Conducted Web Development Workshop on University Level (Attended by 700 students)
- Worked as a Programming lab assistant at Data Structures & Algorithm Development Lab, Guru Ghasidas Vishwavidyalaya, Bilaspur (Aug 2014 - Oct 2014)
- Techfest Coordinator of EQUILIBRIO '13 and 14- The Technical Festival
- Coordinator of Website Board in University Student magazine "Udaan"
- Websites created : <http://www.ggvalumni.in/>, <http://dlotus.com>, <http://equifest.in>, <http://ourudaan.com>

EXTRA COURSES AND TECHNOLOGIES

- Machine Learning Course under Andrew Ng
- Online Cryptography by Dan Boneh
- Internet History Technology, and Security by Dr Chuck Norton
- Python 101 (Programming for everybody) by Dr Chuck Norton
- Neural Networks for Machine Learning University of Toronto
- Algorithms: Design and Analysis, Part 1 & 2 Stanford University
- Data Structures and Algorithms University of California, San Diego