Ayush Verma

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EDUCATION

SRM Institute of Science and Technology Chennai, IN
Bachelor of Technology in Computer Science and Engineering May 2014 – June 2018

EXPERIENCE

Software Engineer June 2019 – Present
SARVA YOGA LLC Mumbai, India

- Architected and implemented multiple micro-service based platforms to stream real-time Yoga and Zumba sessions using Apache Spark. Managed 10K+ concurrent users during master workshops.
- Worked on a centralised CMS infrastructure to track referrals and leads from various sources. Designed tools to generate automated sales reports.
- Payment services and SDK integration with platforms with respect to different guidelines like GDPR and PCI DSS.

Remote Developer June 2018 – April 2019
Unilever Global

- Designed and Developed central dashboard with metrics to predict NRR across various verticals to support sales team in taking smart decisions.
- Developed a data scrapping engine to crawl data from various real time sources and convert information into a real time feed.

Backend Developer Intern Feb. 2018 – May 2018
Postman API Tools Bangalore, India

- Helped engineering teams to perform data migrations using AWS Datalake, from few GBs to 3.5TB.
- Responsible for Implementation, Orchestration and Maintenance of Data Pipelines used by various team to get insights.

Software Developer Intern May. 2017 – December 2017
Nokia Networks Chennai, India

- Conceived a chatbot for internal purpose, built with Google DialogFlow and JS. Hosted on native cloud servers.
- Developed a web-application running on Azure for data visualization of available IoT devices. Wrote pipelines in python and used Tableau as a Analytics tool.
- Managed Web application for internal feedback developed in ASP.NET and SQL.

NOTEWORTHY PROJECTS

SRM Search Engine | *SysAdmin and Backend developer*

- A General Purpose Search Engine, funded by "National Internet Exchange of India". Oversaw migration to Flask based app from a legacy CGI service to a full fledged Express server.
- Helped write flexible REST APIs for various search modules used across the service. Wrote Bash scripts to automate the maintenance of our server like Dumping data to S3 and Cert validations.
- Crawlers to extract and index millions of pages, using Python BS4 to clear irrelevant data and pump it into Datalake.
- Helped design and set up a 15 node, master-slave architecture Hadoop cluster.

Recruitment Platform - Government of India | *Project Owner*

- Conceived a hybrid-app, with high accuracy spam filtering system built on top of a Node server.
- Designed and developed RESTful APIs using Loopback.Implemented Caching for server load reduction.
- Used Load balancing tools like Reverse proxy and AWS API gateway

Auto GPA Calculator and Converter | *Project Owner*

- WebApp to crawl and fetch grades from official web page, followed by customized report for GPA and CGPA.
- Achieved over 7500+ users in my 1st version.

Volunteering

HelpAge Foundation, India | *Committee Member*
- Held a volunteer position as a IT Engineer for Chennai chapter.Handled regular duties like web design and record keeping. Also, Managed blog to announce regular fundraising events.

Chennai Volunteers, India | *Committee Member*
- Part of recreational, enriching and educational volunteering. Organised summer camps for visually impaired children across city.

Achievements and Awards

Rank 1/342: Unilever global finance Hackathon to build best solution for Supply Chain Management.
Top 5/90: Desgined a bot which enables 3D maps and easify Shopping Experience at Coviam Botathon.
Rank 8/ 176: Freshworks global Hackathon to find sustainable solution for green computing.
TCS Codevita: Pre-finalist among 321 candidates at programming contest organised by TCS.

Technical Skills

Languages: Python, C/C++, SQL, JavaScript, Bash
Frameworks: React, Loopback, Flask, Express
Databases: MySQL, PostgreSQL, MongoDB
Cloud Providers: AWS, DigitalOcean, GCP, Linode

Technical Talks given

"Building Smart Bots": [Facebook Developer Circle, April'18] This talk was about building robost chatbots using Microsoft LUIS and bot framework.
"Scaling Atlas MongoDB": [Nokia Networks, Feb'18] Spoke about ways to scale MongoDB without impacting the performance.
"Express and Microservices": [IET Chennai chapter, May'16] Advantages and Disadvnatges of Service discovery using tools like ZooKeeper and Node.