Abhishek Mishra

Software Engineer

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ABOUT ME

I'm a backend software engineer and DevOps, an Open Source enthusiast highly driven by dev communities and well-versed in Python & its application architecture. I have built scalable web apps, API that scaled over thousands of users and drove the product vision for my company & its customers. Apart from my day job, I contribute to and run a few developer communities, conferences across India, and evangelize for OSS, D&I in the tech community. I also mentor students and folks in the community.

SKILLS & EXPOSURE

- **Cloud platforms:** AWS, GCP.
- **Database**: PostgreSQL, Redis.
- **Programming languages & frameworks:**
  - Python (Flask, Django)
  - Javascript (Vue, Vanilla)
  - Shell scripting
- **Other tools & libraries:**
  - Prefect, Airflow, Celery
  - GitHub Action
  - Git, Postman, Sentry & other code quality tools/apps.
- **Non-technical skills:**
  - Community building
  - Public speaking

METHODOLOGY/APPROACH

- Clean code
- Test Driven Develpoment/Debugging

WORK EXPERIENCE

Prediction Machine | *Jul 2021 to Present*
Software Engineer

- Setup entire CI/CD pipeline and dev environment with code quality checks, PR rules, etc.
- Setup data ingestion process using Airflow and Prefect.
- Infrastructure padawan for AWS.
- **Tech stack:** Python, Docker, GH Action, AWS, Prefect, Airflow, Sentry, PostgreSQL.

Saama Technologies | *Sep 2020 to Jul 2021*
Software Engineer

- Developed APIs for ML model for **SDQ** (Smart data query) project for the clinical trial process and medical coding service, coding app.
- SDQ is a project employed in Pfizer COVID-19 vaccine development. The project pulls the data from a data lake and processes it through a transformation pipeline and raises any discrepancies in data.
- Worked on a data model for building a backend of medical coding service.
- **Tech stack:** Python, Docker, GCP, PostgreSQL, Flask, Rancher-Kubernetes.

Essentia SoftServ LLP | *Oct 2019 to Sep 2020*
Software Engineer

- *Developed a web app (**OcrHiem**) for the automation of medical coder's document parsing process with OCR server using the Django framework and AWS services for the infrastructure.*
- *HCC Explore, It's a Risk Adjustment Factor calculator for healthcare companies to calculate premiums based on medical codes & other factors.*
- ***Tech stack:** Python, Docker, AWS, Redis, Celery, Flask, Django, Elastic, Vue.*

Virtusa Corporation | Sep *2017 to Oct 2019*
Software Engineer

- *Worked on OCR library and built an API on top of it for the Life Insurance KYC process.*
- *POC: An app for analysis and prediction of resources in the business domain using ML. (API level & bit of frontend).*
- ***Tech stack:** Python, Docker, Angular.*

EDUCATIONAL BACKGROUND

Bachelors of Engineering
Computer Science, 2014 - 2017
Mumbai University.

Diploma in Computer Engineering
Computer Engineering, 2011 - 201 4
Viva college of diploma & engineering.

COMMUNITY INVOLVEMENT/CONTRIBUTION

- **PyCon India Organizer (2019,2020,2021)**
- **PyCon APAC Organizer 2021**
- Chaos Carnival **2020 Organizer & Host**
- **Lead organizer of Google Developer Group (GDG) Chennai since 2019.**
- **Volunteer at PyLadies Chennai and ChennaiPy user groups.**
- **PyCascades 2022 - Volunteer**
- **Volunteer at Droidcon India 2019**
- Volunteer at other local meetup groups.

SPEAKER

- PyCon APAC 2020
- Startup Weekend Chennai 2020
- PyConf Hyderabad 2019
- PyCon Indonesia 2019
- DevFest Delhi 2019
- PyCon India 2019
- Microsoft Azure Bootcamp 2018
- Microsoft Azure Bootcamp 2019
- Talk at various local & remote meetup groups.

CERTIFICATION & AWARDS

- Google Cloud Certified Associate 2019
- Best Team award 2018 at Virtusa Corporation.
- Have won few local group hackathons.

PERSONAL PROJECTS

- IoT based Intelligent Assistive Robot *Year - 2016*
- The linkage between public transport and commuter trains using the SaaS model. *Year - 2017*
- Online railway concession system (Automation project) *Year - 2015*