

Kumar Akshay

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Skills

Language	Python, Ruby, C/C++, PHP
Framework/Technology	Django, Ruby on Rails, Docker, Kubernetes, AWS, GCP
Open Source	Plone, CPython, Rspamd, <u>Verify Email</u>
MOOC	<u>Algorithms</u> , <u>Parallel Programming</u> , <u>Machine Learning</u> , <u>Neural Networks</u> ,

Experience

HackerRank

Bangalore, India

SOFTWARE DEVELOPMENT ENGINEER

July 2019 - present

- Improved search results of question library by 30%. Later, worked on improving its latency by restructuring API endpoints by 10%.
- Ownership of 3 different services that involve working with different languages and developing/improving features now and then.
- Took initiative in setting up CI/CD on Kubernetes for a new microservice to unblock teammates ahead of time while also working on different set of features.
- **Leveraged Knowledge:** Docker, Kubernetes, ElasticSearch, Ruby on Rails, Python, AWS.

Python Software Foundation

Remote

MENTOR

May 2019 - Aug 2019

- Responsibility involves conducting biweekly sync-up, reviewing pull requests, guiding and helping in debugging the problem which student faces along the way
- **Leveraged Knowledge:** Rust, Guillotina, Asyncio.

Internships

HackerRank

Bangalore, India

SDE, INTERN

May 2019 - Aug 2019

- Implemented Jaccard-similarity, sliding-window version of Levenshtein-distance and tf-idf to improve the accuracy of an internal tool by 23%.
- Added test case validation API endpoint for all data structures in the code-generator that minimized unintentional errors in test cases in customer created questions.
- **Leveraged Knowledge:** Jaccard Similarity, TF-IDF, DSL, Design Pattern, System Design, PHP

Google Summer of Code

Remote

PLONE FOUNDATION

Apr 2018 - Aug 2018

- Improved unit test coverage by 6.66% and 2% in plonecli and bobtemplates.plone resp.
- Voted as one of the most popular plone package at Plone Conf'18, project report: plonecli wiki
- **Leveraged Knowledge:** Python debugger, Unit-testing, Integration testing, Plone development.

HealthifyMe

Bangalore, India

SOFTWARE ENGINEER, INTERN

Dec 2017 - Jan 2018

- Implemented a scalable word cloud generator service for users on their food consumption pattern (0.5M hits in a week).
- **Leveraged Knowledge:** Git, Django, API design, Unit Tests, AWS Lambda.

Education

Shri GS Institute of Technology and Science

Indore, India

BACHELOR OF ENGINEERING IN ELECTRONICS AND TELECOMMUNICATION

July 2015 - May 2019

Conference Talks

Plone Conference

Tokyo, Japan

GSoC PARTICIPANT

Nov 2018

- Gave a talk on GSoC improvements on plonecli