

Abhijeet Viswakumar

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EDUCATION

BITS PILANI

B.E. ELECTRONICS AND
INSTRUMENTATION
ENGINEERING

July 2022 | Hyderabad, India
CGPA: 8.29/10

AMRITA VIDYALAYAM

CBSE CLASS XII, 95.8%
March 2017 | Palakkad, India

SKILLS

PROGRAMMING

Proficient

- Python • Java • Kotlin • C
- Bash

Familiar

- SQL • C++ • Typescript

AWS

- Lambda • DynamoDB
- ECS • Fargate • EC2
- CDK

TOOLS &

TECHNOLOGIES

- Linux • Django • Android
- Docker • REST • Postman

ABOUT ME

Result-oriented and passionate software engineer with 1 year of professional experience. Continuously learning about the latest technologies helps me quickly adapt to any situation. I'm an Open Source enthusiast and contributor. Interested in backend, infrastructure, and systems development.

EXPERIENCE

AMAZON WEB SERVICES (AWS) | SOFTWARE ENGINEER

February 2022 - Present | Bangalore, India

Tech: Python, Typescript, EC2, Lambda, DynamoDB, Fargate

- Created a service to automatically parse maintenance emails and suppress relevant alarms. Resulted in reduced operational load and approx 5 fewer high severity tickets weekly.
- Reduced weekly effort spent on running manual and protected regression tests by automating it. This reduced the time spent on the test from 24 man-hours down to 8.
- Worked on an easily deployable network virtualisation product that was integrated with automated network config CI/CD and regression testing pipelines. Ultimately reduced cost by replacing physical network labs.

ORACLE | SOFTWARE ENGINEERING INTERN

June 2021 - July 2021 | Bangalore, India

Tech: C, Oracle Solaris

- Improved performance and accessibility of historical data by adding support for alternative data stores in the 'vmstat' command for Oracle Solaris.
- Worked on improving documentation and man pages for CLI tools.

OPEN SOURCE CONTRIBUTIONS

DJANGO | PYTHON WEB FRAMEWORK

References: [GitHub PRs](#)

Tech: Python, Django

- [Reported](#) and [fixed](#) a release blocking bug related to concurrent select and update on tables. This fixed a previously undiscovered data corrupting bug.
- [Fixed](#) a bug related to redundant SQL queries being generated. This improved database performance when inserting new rows into tables.
- [Improved](#) Django codebase and documentation.

PROJECTS

SMARTCAMPUS | A MOBILE APP FOR A SMARTER CAMPUS

References: [Play Store](#)

Tech: Django, PostgreSQL REST, DigitalOcean

- Designed and built the backend for SmartCampus, a mobile service to order food from one's hostel room.
- 4000+ active student users placed orders and were notified for order pick-up.
- Gross transaction value over a year (2 semesters) was Rs 3.1 crore.

CMS-ANDROID | OPEN SOURCE MOODLE CLIENT FOR ANDROID

References: [GitHub](#) & [Play Store](#)

Tech: Android, Java, Kotlin

- Developed and maintained a 3rd Party Moodle client.
- Allows students to enrol to courses, access, be notified, and provided offline access to courses contents on their phone.
- Vital part of academic life with 4000+ active student users.