

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

I am a passionate software engineer with hands-on experience on backend and infrastructure development on AWS. I'm also an Open Source enthusiast and contributor.

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 suppresses relevant alarms. Resulted in reduced operational load and improved efficiency of maintenance processes.
- Reduced weekly effort spent on running by automating manual and protracted regression tests. This freed up time and resources otherwise spent on manual effort and increased team productivity.
- 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.