Harsh Khandelwal

Software Engineer

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in LinkedIn - Harsh Khandelwal
○ GitHub - Harsh Khandelwal

EDUCATION

National Institute of Technology, Warangal (NIT Warangal)   *2020 - 2022*
Master of Science - Mathematics and Scientific Computing   CGPA: 8.3

The ICFAI University, Jaipur   *2017 - 2020*
Bachelor of Science - Mathematics   CGPA: 9.28

SKILLS

Development Toolkit: Java, C++, C, Python, Dropwizard, SQL, Git.
Areas of Interest: Data Structure and Algorithm, Backend Development, Object Oriented Programming (OOPS).

EXPERIENCE

Oracle   *07/2022 - Present*
Member Of Technical Staff   India

- Collaborated with a global team of 30+ members to develop the Operating system management service (OSMS).
- Developed a Python-based CLI tool for OSMS v1 to v2 migration, including instance creation script and policy-checker for a user , enabling over 1,000 companies to efficiently upgrade and manage their systems.
- Reduced up to 20% on-call bugs by developing the Rest Apis in Modules service, hence making the Spacewalk Microservice aware of the upgradeable module streams.
- Completed over 80 days of On-call shifts, included Migrated database connection pools from c3p0 to HikariCP for multiple services,designed interface based mocks for external Api calls, standardized service health metrics, created Terraform alarms for high-traffic scenarios, and developed business KPIs to track customer activity.
- Improved cleanup processes for OSMS, reducing inactive users by approximately 50% in one region and savings substantial resource.
- Exposure: Java, Dropwizard, Python, Oracle Cloud, TestNG, Git, Agile methodology, On-call,Terraform.

PROJECTS

Crypto CLI Tool
Designed and implemented a command-line interface using Python and Typer for a user-friendly experience.

- Integrated features such as encryption and decryption using Caesar Cipher, RSA, and Vigenere Cipher.

ACHIEVEMENTS AND EXTRACURRICULAR

Achievements:
– Awarded the gold medal for academic excellence in Bachelor's degree in Mathematics.
– Achieved top 1% rank in the highly competitive TIFR entrance exam for PhD aspirants, successfully standing out among 5,000 candidates..
Extracurricular: Cooking, Cricket, Anime.