

PALASH GUPTA

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EDUCATION

North Carolina State University, Raleigh

Aug 2019 - Anticipated May 2021

Masters in Computer Science

Courses: Design and Analysis Of Algorithms, Operating Systems, Computer Networks, Software Security, Database Management concepts and Systems, Object Oriented Design and Development, Software Engineering. GPA: 3.67/4.0

Vellore Institute of Technology, Vellore

July 2014 - May 2018

B.Tech, Computer Science Engineering

CGPA: 8.7/10.0

TECHNICAL SKILLS

Programming Languages

Python, Java, C#, C++, C

Cloud Technologies

AWS - Lambdas, Cloudformation, Cloudwatch, S3, SES

Service Development

JavaScript, PHP, Bootstrap, HTML, CSS, JWT

Databases

SQL, Oracle SQL Developer, MySQL, phpMyAdmin

EXPERIENCE

Software Engineer Intern

May 2020 - Aug 2020

LexisNexis, Raleigh, USA

- Designed & implemented a scale-out engine that increased the availability of a key production web service from 95% to 98%.
- The scale-out engine was capable of running multiple lambdas (serverless functions) which adjusted the service's configuration based on traffic patterns, making the service highly scalable and automating 95% manual workflows.
- Created end-to-end CI/CD (Jenkins) pipeline capable of code packaging and deployment of the scale-out engine via Cloudformation that enabled an Agile development environment.

Graduate Engineer Trainee

Aug 2018 - July 2019

Mercedes-Benz Research and Development, Bangalore, India

- Owned, managed & enhanced an automated end-to-end testing framework for 15+ software applications that run on Xentry, official Mercedes-Benz vehicle diagnostics kit.
- Enhanced speed and performance of test solutions for vehicle diagnostics by carrying out necessary code optimizations thereby reducing manual test effort by 75% and cutting down the test cycle duration from 7 to 5 days across 12 vehicle lines.
- Designed & created new test beds in collaboration with teams across 5 countries, improving the code coverage by 10%.

Software Engineering Intern

Dec 2017 - April 2018

Oracle, Hyderabad, India

Internal Internationalization Tool Upgradation

- Migrated Oracle's i18n standardization tool from legacy software stack to latest JDK to maintain compatibility with rest of Oracle's software stack.
- Enriched build infrastructure of this tool using Maven thereby bringing down the packaging time by 25%.

Project SENSE

- Embraced the challenge of implementing an end-to-end interview scheduling and analysis platform for better candidate selection, going beyond the original scope of internship project.
- Capabilities include - scheduling interviews, recording real time Skype interviews and doing post interview sentiment analysis.

PROJECTS

Operating Systems Utilities for Xinu Operating System

Jan 2020 - May 2020

- Implemented read/write locks enabling concurrent resource sharing in a safe and secured environment.
- Designed and implemented multiple schedulers in kernel programming ensuring fairness during process execution orders.
- Implemented demand paging mapping large address spaces into small amount of physical memory using backing stores.

ACHIEVEMENTS

- Winner of *Rise to Code* Hackathon among 25 participating teams organized by LexisNexis at Raleigh, NC. 2019
- Ranked 5th in Coding Premiere League organized by SCOPE-VIT among more than 50 participating teams. 2018
- Taught 100+ underprivileged kids in orphanages and schools weekly as Public Relations Head, *Edforall(NGO)*. 2017
- Received Certificate of Excellence for the ethics poster on the issue - "Save Water, Save Life". 2016