Kenil Vora

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EXPERIENCE

Facebook (Meta) // Production Engineer
Feb 2020 - Jan 2023

- Developed & deployed a **horizontal sharding** system that optimized memory utilization by **>40%** for 20+ services
- Implemented a **config distribution framework** using **Zookeeper** to enable synchronous upgrades for 30k+ tasks without any service disruption
- Spearheaded org-wide intiatives to **containerize** critical services & phase out privately managed host pools
- Led several cross-functional efforts to institute service health & performance monitoring by establishing high signal **SLAs, SLOs & SLIs**
- Authored numerous testing procedures to **validate disaster recoveries**, data restorations & task control frameworks
- Executed comprehensive service identity migrations & privacy lockdowns to observe data privacy compliance
- Technologies Used: **Python, Erlang, Zookeeper, Memcache, Thrift, Chef, Mercurial/Git, Distributed Systems**

Microsoft // Software Engineer Intern
July 2019 - Sept 2019

- Designed a custom rules engine used to optimize **One Drive Sync Client** serving 100M+ customers
- Launched end-to-end client facing features granting personalized sync capabilities for power users
- Improved sync efficiency for 290K+ daily active users by automatically filtering metadata & configuration files
- Technologies Used: **Java, Python, C++, Microsoft Azure Devops, Containers, Windows Shell API**

PayPal // Software Engineer Intern
June 2018 - Sept 2018

- Built automated tools to analyze & **visualize** data for business rule coverage for the **Core Payments Engine**
- Implemented features actively used by the company to fine-tune system stability & eliminate redundancies
- Technologies Used: **Java, Apache Maven, Jenkins, IBM ODM API**

UCSD CSE Department // Teaching Assistant/Tutor
Jan 2018 - Dec 2019

- Led office hours/discussions, graded assignments/exams & taught essential software engineering practices
- Instructional Staff member for **Software Engineering**, **Data Structures** & **Object Oriented Programming** classes
- Analyzed/debugged students' code & explained key programming/software engineering concepts
- Technologies Used: **C, C++, Java, Python, AWS, Google Cloud Platform, Docker, Hadoop, Spark, Firebase, Travis CI**

San Diego Supercomputer Center // Research Assistant
Feb 2018 - June 2018

- Designed interactive online software to collect user metrics & further research efforts on **Internet Topology** at **CAIDA**
- Gamified crowdsourcing data collection tasks to increase user interaction & analyze IPv6 traceroutes
- Technologies Used: **Python, Django, MongoDB**

EDUCATION

University of Cumberlands M.S. Data Science
December 2023

- **Coursework:** Deep Learning, Natural Language Processing, Data Mining, Big Data, Statistics

UC San Diego B.S. Mathematics and Computer Science
December 2019

- **Coursework:** Algorithms, Data Structures, Security, Operating Systems, Cryptography, Recommender Systems