

Rohit Yelamanchili
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Novato, California

EDUCATION

University of California, Berkeley (August 2016 - December 2019)
Bachelor of Science, Electrical Engineering and Computer Science

EXPERIENCE

Mastercard

Senior BizOps Engineer (March 2022 - November 2022)

BizOps Engineer II (June 2020 - Feb 2022)

- Identified 20+ software defects by monitoring alerts, Splunk dashboards, and user issue reports, analyzing logs and recent changes to determine root cause, correcting them, and implementing workarounds as necessary until required changes could be deployed
 - Wrote database SQL queries to further investigate issues and discrepancies, and used this information to inform database design improvements and suggestions to the development team, keeping performance in mind
 - Managed and delegated tasks to junior engineers, especially during major releases, changes, or issues, enabling smooth execution of 4 major releases per year of 10+ application components
 - Streamlined the process of onboarding 25 new financial institutions and regions into our application, configuring both the batch and real time (API) components, and transitioned knowledge of the process to junior engineers to free up senior resources
 - Established a semi-automated process for packaging and transferring files to another team for further analysis, complying with relevant privacy and data policies by writing Spark SQL queries and Bash scripts
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PROJECTS

Pintos

- Designed and implemented a priority thread scheduler with priority donation for Pintos, an educational operating system written in C
- Implemented support for user processes, system calls and extensible file system with subdirectories

File Sharing

- Created a secure file storage system using Go with confidentiality, integrity, and authenticity, given an insecure file server, and secure public key storage
- Allows users to store, load, efficiently append, share, receive and revoke files

RISC-V Processor

- Designed a complete processor, with cache, for the RV32I base instruction set using Verilog

BerkMe

- Worked with a team of four to create a web app using the Flask framework to assist users searching for housing in Berkeley
 - Displays nearby restaurants, hospitals, crime, and other info about the selected location
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SKILLS

Languages: Python, Java, C, Go, Assembly (RISC-V)

Databases: SQL (PostgreSQL)

Tools / Frameworks: Hadoop, Git, Flask

Other: TCP/IP, DNS, Unix/Linux