PRADEEP KUMAR

Software Engineer at Samsung Research Institute, Delhi

Noida, UP, IN | +91-7292968393 | pkgodara.choudhary@gmail.com | www.linkedin.com/in/pkgodara | github.com/pkgodara

Work experience

Samsung Research Institute, Delhi   July 2019 - Present

Software Engineer, Backend server

- Single-click access to private servers and databases on the AWS cloud securely. No more sharing of private key files. Granular access management for team members.
- Achieved almost 100% AWS Server automation using Ansible from around 50% for engagement, testing, and verification.
- Automated domain-join for more than 15 Linux distributions, versions to Microsoft Active-Directory.
- Slashed manual effort by around 90% using coherent pipelines and remodeled intermediate validation mechanisms.
- Secure Amazon RDS user management and innovative 2-layer password rotation method to ensure enhanced security.
- Researched, designed, and implemented a scalable and cost-effective solution for central RDS audit log collection and management. Supporting more than 5 DBMS - MySql, MariaDB, Aurora, Postgresql, SqlServer, Oracle.

Rocket.Chat   May 2018 - Aug 2018

Developer Intern, Summer of Code, 2018 | Open source

- Develop real-time Live-chat performance analysis and monitoring tools for the administrators.
- Optimized data storage and collection techniques for faster updates and Thousands of calculations.
- Effective data processing and retrieval using Publish-Subscribe architecture, achieving Zero lag analysis.
- Completed full-stack implementation of statistical data collectors, analytic reports, charts, and real-time monitoring of the Live-chats on Rocket.Chat platform.

Rocket.Chat   May 2017 - Aug 2017

Intern, Google Summer of Code, 2017 | Open source

- Responsible to plan, design, and develop a new feature to serve chat conversations with emails. Created a bridge between email and chat communications, in Javascript.
- Completed implementation of Two Email access protocols namely IMAP, POP3.

Projects

Backend Developer   2017

School Management Software

- Designed software, database architecture, and led the team to the development of the project.
- Improved system scalability to handle 2 times more requests utilizing parallel processes and load balancing.
- Outlined work plans, determined resources, wrote timelines, and initial budgeting for cost management of the project.
- Responsible for product maintenance and stability.
- Coordinated goal-setting activities to increase overall group efficiency and timely delivery of the tasks.

Skills

Programming	Others
C++, Python, Javascript, C, Go, Node.js, Java, UNIX Shell scripting	Databases, Data structures, Algorithms, Computer Networking
Ansible, Git, SQL, MongoDB, Linux, Windows, Docker, Hadoop	Microservices Containers, Software Development, Big Data
Amazon web services(AWS) Cloud, GitHub, REST APIs	Teamwork, Open-source software, Communication

Education

Indian Institute of Technology (IIT), Patna   May 2015 - May 2019

Graduation, Bachelor of Technology

Pursued a passion for Computer Science Engineering.

Accomplishments

- Google Summer of Code, 2017   Top 25%   Open source, Remote Internship
- JEE Advanced, 2015   Top 5%   IIT - Joint Entrance Exam