TAMILVALAVAN SHANMUGAM

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Passionate and highly effective technical leader with a strong background in Backend Development. Skilled in driving software development projects, implementing effective strategies, and collaborating closely with DevOps and development teams. Well-educated and poised professional with 5+ years of expertise. Consistent team player with exemplary multitasking skills. Seeking a challenging position as a Technical Lead to leverage my experience, work closely with DevOps and development teams, and drive successful software delivery while gaining practical experience and further utilizing my skills.

TECHNICAL SKILLS

PROGRAMMING   : Node.js, Python, javascript, HTML

SCRIPTING   : Shell, Powershell, Make

DATABASE   : MySQL,SQLite3,MongoDB

Web Server   : Nginx, Apache

OS   :   Ubuntu, CentOS, RancherOS, openWRT

OTHERS   : Docker, cubic, Git, putty, ffmpeg, Virutal-box, Networking, Jenkins, Jira

WORK HISTORY

COHERENT PIXELS | SENIOR SOFTWARE ENGINEER | FEB '22 - CURRENT

- Produced and maintained consistent technical documentation using JIRA.
- Facilitated and guided the development of high-performance backend applications using Node.js
- Implemented reusable functions in Node Js to help other team members to utilize it to reduce the codebase size for optimal performance.
- Designed and implemented data models and schemas in MongoDB.
- Worked closely with DevOps team for setting up entire Node application system to work with docker
- Worked closely with GCP team on configuring Load balancer and Cloud Armor.
- Guided the team to achieve goals within a given timeframe.
- Collaborated with frontend developers to design and implement RESTful APIs in Node js, facilitating seamless communication between frontend and backend.
- Working closely with the UI team on the integration part also help them to handle bugs.

- Proactively identifying areas for improvement, facilitating retrospectives, and implementing changes to enhance team efficiency and delivery.

INFYNECT LABS | SOFTWARE ENGINEER - I | SEPT '17 - OCT '21

- Demonstrated expertise in Linux-based operating systems.
- Developed shell scripts for testing scenarios and automated installation/update processes on the Edge Platform.
- Set up dev and test environments in a virtual box.
- Debugged code and identified root causes by reviewing configuration files and logs.
- Maintained technical documentation using JIRA.
- Resolved identified issues to boost productivity and workflow.
- Proficient in DB structure formation in SQLite and MySQL.
- Created DB structure and API for VOD platform using SQLite.
- Familiar with Node.js Sequelize package.
- Executed test scripts, logged defects, and resolved testing process issues.
- Hosted websites and managed various operating systems (Ubuntu, RancherOS) customization.
- Designed architecture for Node.js applications and handled customer implementations.
- Implemented network architecture for a caching and delivery platform.
- Experienced in handling Python libraries like Pandas and Flask.
- Configured Nginx and worked on Digital Ocean for hosting and application deployment.
- Proficient in handling Makefile, Dockerfile, and networking concepts like Routing and Switching.
- Customized OpenWRT as a cache-enabled OS for CDN solutions.
- Strong knowledge in open-source OS building and Docker container networking modes.
- Designed and implemented network architecture for local testing with static IP.
- Proficient in live streaming concepts.
- Assisted in developing backend components for web applications using Node.js and Express.js.
- Actively participated in weekly knowledge-sharing sessions, presenting Node.js insights gained from personal research on best practices and emerging trends.
- Completed a Node.js project involving the integration of a third-party API to enhance application features.

EDUCATION DETAILS

BTECH (INFORMATION TECHNOLOGY)
Kongunadu College of Engineering &Technology (2015 -2019) - Trichy, TN.
7.2 - Anna university

CLASS XII
Gugai higher secondary school(2015) - Salem, TN.
61% - Tamil Nadu State Board

CLASS X

Gugai higher secondary school(2013) - Salem, TN.

75% - Tamil Nadu State Board

Date   :
Place   :   (TAMILVALAVAN S)