

Sakthi Nathan

Chennai, Tamil Nadu, 600029 | +919940734663
drakesakthi@gmail.com | sakthinathan.com

With over 2+ years of experience as a Software Development Engineer at Zoho, I specialize in both front-end and back-end development, streamlining processes and tools for operational efficiency. Skilled in Java, JavaScript, Nodejs, MongoDB, Express, React, Docker and more, I've developed tools to monitor network devices, enhance iOS app development, and ensure seamless codebase synchronization. My education from Sai Ram engineering college in Computer Science has equipped me with strong problem-solving skills and a foundation in scalable computing systems.

EXPERIENCE

Software Engineer

May 2022 - Present

Zoho, Chennai, TN

- Designed and implemented the complete alarms module for device monitoring in the OpManager product, handling both frontend and backend development.
- Crafted an intuitive frontend for the Compliance Standard module within the Firewall Analyzer product.
- Engineered a user-friendly tool using Docker and Flask to streamline the installation process for test servers, eliminating the requirement for intricate physical machine setups.
- Developed a comprehensive JavaScript, React, and Express based tool for efficient retrieval, manipulation, and management of color, font, and icon data. This tool significantly enhanced the ease of adding and modifying visual elements.

Software Engineer Trainee

Sep 2021 - May 2022

Zoho, Chennai, TN

- Created a command-line interface (CLI) tool with Python and the Typer library, facilitating the automatic generation of architecture design patterns and boilerplate code for iOS development. This initiative significantly increased productivity and streamlined the iOS app development workflow.
- Engineered a Python-based tool to ensure the harmonious synchronization of build and version numbers throughout the code base. This optimization effectively eliminated potential issues during the Play Store build generation, ultimately streamlining the release process.
- Demonstrated proficiency in architecture patterns, full-stack software development, database design, and mobile app development. Utilized technologies such as Swift, React, Java, Servlet, JavaScript, and MySQL to deliver comprehensive solutions across diverse tech stacks.

EDUCATION

Bachelor of Engineering - Computer Science.

Apr 2018 - May 2022

Sri Sairam Engineering Chennai, TN, India, Chennai

SKILLS

Java, React, Typescript / JavaScript, Postgres SQL, MongoDB, NodeJS, Python, Redux / Recoil, Redis, Docker, Spring Boot, RabbitMQ, Full Stack Developer

PROJECTS

MicroPy

A microservices architecture implemented with Python, RabbitMQ, Docker, and Kubernetes to build an efficient MP4 to MP3 converter, enabling seamless audio file format conversion. It demonstrates proficiency in distributed systems, containerization, message queuing, and orchestration technologies.

Parallel Search

A master-slave architecture, where the master node receives search queries and distributes them among multiple slave nodes. The slave nodes concurrently search for the specified word across numerous files, enabling faster search results. This showcases skills in designing scalable and efficient distributed systems, implementing parallel processing algorithms.

Chaos

Developed a computer vision software utilizing Python and OpenCV, enabling disabled individuals to operate Windows OS effortlessly. Implemented finger gesture and eyeball tracking for cursor control, along with a voice assistant that reads aloud screen content for visually impaired users, enhancing accessibility and usability.