KEESHIGAN PIRABAHARAN

SOFTWARE ENGINEER

CONTACT

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SKILLS & COMPETENCIES

JavaScript / TypeScript

Java

Python

ReactJS / NextJS / NodeJS

Spring / Spring Boot

NoSQL / MySQL / PostgreSQL

Amazon Web Services (AWS)

Microsoft Azure

REST APIs

Kafka

Redis

Jenkins

Linux

Docker

Kubernetes

Problem Solving

Debugging & Troubleshooting

SEO Optimization

Software Documentation

Application Scalability

System Reliability

Cross-functional Collaboration

Interpersonal Skills

EDUCATION

B.E.Sc - Mechatronics Systems Engineering
University of Western Ontario
Sep 2017 - Apr 2022
London, ON

PROFILE

Full-Stack Developer with 3 years of experience in JavaScript, Java and Python, specializing in designing and developing high-performance web applications. Proficient in AWS and Azure cloud architectures, containerized deployments using Docker and Kubernetes, and developing robust REST APIs. Skilled in building scalable applications, optimizing performance, delivering user-centric solutions, with a strong background in production application development.

WORK EXPERIENCE

Software Development Engineer II | *Curtiss-Wright Defense Solutions*
Ottawa, ON | June 2023 – Present

- Developed and deployed production ready full-stack applications using React, Redux, React Queries and Spring Boot, improving system performance and reducing load times by 20%
- Designed clean, readable and testable REST APIs in Java (Spring Boot) with parallel processing, reducing backend error rates by 15% and improving response times
- Mentored junior developers on best practices for clean, maintainable code, improving overall code quality and reducing PR review time by 20%

Software Development Engineer I | *Curtiss-Wright Defense Solutions*
Ottawa, ON | June 2022 – June 2023

- Implemented CI/CD pipelines with Jenkins and containerized deployments with Docker and Kubernetes, reducing manual deployment time from 1 hour to 10 minutes
- Participated in agile ceremonies, code reviews, and collaborative development, ensuring alignment with software quality standards
- Built scalable microservices with Spring Boot, leveraging Azure for automated scaling and monitoring, improving system resilience and reducing downtime by 30%

Software Technical Engineer (PEY) | *Ontario Power Generation*
Pickering, ON | May 2020 – August 2021

- Performed simulations using MATLAB to optimize efficiency and safety in nuclear plant operations, meeting Canadian Nuclear Safety Commission (CNSC) standards
- Created Power BI dashboards to visualize key operational metrics and trends
- Assisted in automating internal workflows using Python scripts, cutting down manual reporting time by 30%

PROJECTS

AI SaaS ⌚

- Developed a Chat-GPT like AI SaaS that generates conversation, image, video, code and music responses using various AI models
- Utilized Azure Virtual Machines and Container Instance services for production deployment

E-Commerce Store 🌐 🌐 ⌚ + Admin Dashboard 🌐 ⌚

- Built an interconnected store and CMS web application using NextJS 14 and Shadcn/ui, enabling multi-store management and seamless content updates
- Integrated Stripe for secure payments, set up webhooks for data synchronization, and leveraged AWS S3 and RDS for scalable, high-performance data storage

CERTIFICATIONS

Azure Fundamentals
Microsoft • Issued Jul 2024

AWS Certified Cloud Practitioner
Amazon Web Services (AWS) • Issued Mar 2024 - Expires Mar 2027