

KEESHIGAN PIRABAHARAN

SOFTWARE ENGINEER

CONTACT

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SKILLS & COMPETENCIES

JavaScript / TypeScript
Python
ReactJS / NextJS / NodeJS
ExpressJS / NestJS / Fastify
NoSQL / MySQL / PostgreSQL
Amazon Web Services (AWS)
Microsoft Azure
REST APIs
Kafka
RabbitMQ
Redis
Windows / Linux / MacOS
Git
Docker
Kubernetes
Problem Solving
Debugging & Troubleshooting
SEO Optimization
Software Documentation
Application Scalability
System Reliability
Cross-Functional Collaboration
Problem-Solving Mindset
Passionate About Technology

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, TypeScript, and Python. Specialized in designing, building, and maintaining scalable systems. Proficient in Node.js, Express.js, Nest.js, Next.js, and Fastify, with expertise in PostgreSQL, Redis, and RESTful API development. Experienced with Docker, Git, and messaging queues like RabbitMQ. Passionate about building high-performance applications and collaborating in fast-paced environments.

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 Query and Nest.js, improving system performance and reducing load times by 20%
- Designed secure and testable REST APIs in Node.js, integrating NoSQL and SQL databases to reduce backend error rates by 15% and improve 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
- Developed efficient and scalable backend services using PostgreSQL and Redis, optimizing data retrieval and caching to enhance performance and reduce latency

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 UI component libraries, 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