

VIVEK RAWAT

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Professional Summary

Software Engineer with 2+ years of experience in backend development, system software optimization, and API integration. Proficient in C, C++, Java, JavaScript, with expertise in Spring Boot, Node.js, PostgreSQL, and MongoDB. Strong background in performance tuning, debugging, and security fixes. Adept at reducing system costs, enhancing software efficiency, and optimizing system stability. Seeking an opportunity in Germany to contribute technical expertise in a dynamic work environment.

Skills

- **Programming Languages:** C, C++, Java, JavaScript
- **Databases:** MySQL, MongoDB, PostgreSQL
- **Frameworks & Tools:** Spring Boot, Node.js, REST API, JUnit
- **Version Control & CI/CD:** Git, Jenkins, Jira, Redis
- **Software Development:** OOPS, Data Structures, Algorithms, Agile Methodologies
- **Platforms:** Windows, Linux
- **Soft Skills:** Strong problem-solving, communication, and interpersonal skills

Work History

Software Engineer 04/2023 - Current
Qualcomm – Hyderabad, India

- Enhanced **graphics driver performance**, improving **rendering pipelines** and **memory management**, resulting in a **20% improvement in system performance**.
- Resolved **high-priority security vulnerabilities**, reducing system instability by **15%**.
- Conducted **hardware-level testing** across multiple device types, ensuring **100% compatibility**.
- Utilized **C, C++, Perforce, Windows SDK**, leading to a **10% decrease in system crashes** and improved user experience.

Associate Software Engineer 06/2022 - 01/2023
Droom Technology Limited – Gurugram, India

- Implemented **OTP authentication via SMS, WhatsApp, and Call APIs**, increasing authentication reliability by **25%**.
- Reduced **user login/signup failure rate by 30%** by developing a fallback API for vendor outages, leading to a **15% increase in user engagement**.
- Developed a reusable **JavaScript location plugin**, decreasing **Geo Location API costs by 50%**, saving the company **₹2L annually**.
- Worked with **React, JavaScript, Node.js, MongoDB, HTML, CSS**, contributing to a **20% faster application load time**.

App Service Intern 07/2021 - 06/2022
Siemens – Pune, India

- Developed **General Purpose OCR (GPO) service for Mendix (Low-Code Platform)**, enabling automatic conversion of **PDFs/images into XML** and improving document processing speed by **30%**.
- Reduced **database load by 70%** using **Redis caching** for XML responses, improving **API response time by 50%**.
- Fixed **critical security vulnerabilities** in service dependencies, improving system stability by **20%**.
- Tech Stack: **Java, Spring Boot, PostgreSQL, Redis, XSLT, Snky**.

Personal Projects

Weather Application (06/2021 - 07/2022)

- Developed a **web application** to fetch real-time weather details of any city.
- Gained experience in **ReactJS** and **Web APIs**.

Home Automation (01/2020 - 02/2020)

- Developed a **website to control home appliances** connected via **Raspberry Pi**.
- Explored **IoT implementations** and researched various **IoT-based applications**.

Education

Master of Engineering: Software Development

06/2022

Thapar Institute of Engineering And Technology - Patiala, India

Bachelor of Technology (B.Tech.): Computer Science & Engineering

06/2019

Graphic Era Hill University - Uttarakhand, India

Achievements

- **Improved graphics driver performance** and resolved **critical security vulnerabilities**.
- **Reduced third-party API costs by 50%** with an in-house location search solution.
- **Enhanced database efficiency**, reducing load by **70%** using Redis caching.

Languages

English

 Bilingual or Proficient (C2)

German

 Beginner (A1)