Harnoor Kaur

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Summary

Result-driven Systems Engineer with DevOps, cloud technologies, and full-stack development expertise. Proficient in optimizing workflows, managing CI/CD pipelines, and supporting distributed systems. Skilled in delivering scalable solutions, enhancing system reliability, and fostering team collaboration. .

Skills

Languages: JavaScript (ES6+), TypeScript, Python, SQL, C++, CSS, Java, Shell Scripting (Bash).
Technologies: React, Redux, Node.js, Express.js, Next.js, Spring Boot, AWS (EC2, S3), GCP, Azure, Windows, Unix, Linux
DevOps & CI/CD Tools: GitHub Actions, Jenkins, Azure DevOps
Concepts: System Monitoring, Incident Documentation, JWT Authentication, Microservices, Service-Oriented Architecture (SOA), Module Federation, API Development, Performance Optimization, Cloud Solutions (AWS, Azure, GCP), Agile Methodology, Usability
Tools:Webpack, NPM, Yarn, PNPM, MongoDB, Git, ServiceNow, Splunk, Dynatrace, Postman, Adobe, OpenAI, Figma, Zebra TC5X Series Mobile Computers
Soft Skills:Work Ethic, Ownership, Teamwork, Communication, Adaptability, Creativity, Problem Solving

Education

Post-Graduation Diploma in Web and Mobile App Development
Langara College (GPA: 3.28/4.33) *Vancouver*

Bachelor of Technology in Computer Science & Engineering
Punjab Technical University (GPA: 8.48 / 10) *Punjab, India*

Experience

Walmart May 2023-Present
Omni Customer Fulfilment Associate *Vancouver, British Columbia*

- Utilized Zebra TC5X Series mobile computers for efficient order picking, smart staging, dispensing, and inventory management.
- Assisted customers with technical issues for online orders and provided in-person support, enhancing customer satisfaction and loyalty.
- Participated in continuous improvement initiatives, suggesting operational procedure enhancements and optimizing productivity.

Tata Consultancy Services July 2021 – Nov 2022
System Engineer *India*

- Directed a major technical upgrade for a UK-based financial banking application, enhancing performance by 30% through Spring Boot batch automation and minimizing post-release defects by 25%.
- Delivered Level 2 technical support, reducing user-reported issues by 20% and maintaining 98% system uptime. Optimized system health with Dynatrace monitoring by creating dashboards for real-time performance insights and efficiently managed incidents using ServiceNow. .
- Enhanced application compatibility for Windows 10 through code refactoring and testing, resulting in a 40% expansion in user base and increased overall user satisfaction.
- Collaborated with cross-functional teams to address critical technical and compliance issues, ensuring adherence to regulatory standards and operational excellence. .
- Mentored junior engineers, fostering adherence to best practices in software development and system security, which improved code quality and system reliability.

Projects

🖥 **SecureShare** | *a Web Application*

- Technology Stack: React, Redux, Python, Django, SQLite, Docker, Web Crypto API, JWT Authentication.
- Developed robust user authentication with MFA and RBAC to ensure secure access. Implemented encrypted file uploads (AES-256) and secure shareable links with expiration for controlled file sharing.
- Enforced cybersecurity best practices, including HTTPS with TLS, bcrypt password hashing, JWT session management, and comprehensive input validation to mitigate vulnerabilities.
- Delivered a clean, modular full-stack solution with rigorous encryption, seamless client-server communication, and Dockerized deployment for ease of use and scalability.

🖥 WellQuest | *a Native Mobile App*

- Technology Stack: React Native, Expo, MongoDB, AWS EC2, JWT Authentication, OpenAI, Google Vision API
- Designed and developed responsive, user-friendly interfaces using React Native and Expo, boosting client engagement and retention.
- Implemented client progress-tracking tools, empowering gym trainers to monitor performance metrics, enhance client motivation, and improve retention.
- Contributed to back-end development using MongoDB and AWS EC2, integrating APIs such as OpenAI and Google Vision for enhanced functionality and a seamless user experience.

🖥 PawGuard | *a Web Application*

- Technology Stack: React, Express, MongoDB, Node.js, Microsoft IIS Server
- Developed reusable, custom React components and optimized the user interface, enhancing user interaction and satisfaction by improving responsiveness and accessibility.
- Engineered seamless integration between the React front end and Node.js/Express back end, ensuring efficient data flow and improving application reliability.
- Designed and implemented a comprehensive database system for pet insurance, streamlining insurance management and clinic selection for pet owners.

🖥 SmartPack | *a Progressive Web App*

- Technology Stack: HTML, CSS, JavaScript, Firebase
- Developed SmartPack, a Progressive Web Application (PWA) for efficient task and activity planning, enhancing user experience through a streamlined, intuitive interface.
- Designed both the user interface and back-end functionalities, ensuring a cohesive and user-friendly application.
- Implemented task management features, including dynamic list creation, item addition, and real-time progress tracking, enabling users to stay organized and achieve their goals.