

RISHABH PAHWA

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A results-oriented software developer with hands-on experience in full-stack web development. Proficient in Java and JavaScript, with a strong foundation in Spring Boot, React, and Express. Adept at problem-solving, delivering scalable solutions, and collaborating within diverse teams. Highly adaptable, detail-oriented and committed to continuous learning, seeking a challenging role in a progressive organization to contribute to innovative IT solutions in a fast-paced agile environment.

TECHNICAL SKILLS

Programming Languages: JAVA (8, 11,14), JavaScript, Python, C/C++, HTML, CSS, Shell Scripting (Bash, PowerShell)

Frameworks & Libraries: Node.js, Express, Spring (Boot, MVC, Cloud), React, Django, Flask

Database: SQL (MySQL, PostgreSQL, MS SQL, Oracle), NoSQL (MongoDB)

Cloud Platforms: Microsoft Azure, Google Cloud Platform (GCP), AWS

Version Control & Management: Git, GitHub, GitLab, Gerrit, JIRA, ServiceNow

Other Tools/Technologies: Jenkins, Docker, Kubernetes, OSGi, Maven, Nginx, Kafka, Power Automate, Test Automation

PROFESSIONAL EXPERIENCE

Ericsson

Ottawa, Canada

Software Developer Intern

Sept 2023 – May 2024

Tech Stack: Java, React, Node.js, Express, Jest, GitLab CI/CD, Trace Compass, NLP, Web Scraping

- Collaborated within an Agile team to develop and enhance software solutions, ensuring seamless cross-functional teamwork.
- Contributed to the development of a Java-based visualization tool leveraging Trace Compass, an Eclipse open-source platform.
- Resolved technical issues through bug fixes and implemented key features to enhance reliability and user interface.
- Optimized algorithms, achieving a 20% improvement in performance and scalability of the tool for handling large datasets.
- Implemented Unit testing frameworks to validate software functionality and robustness, reducing post-deployment bugs by 15%.
- Improved team efficiency by providing a centralized repository for trace sharing and collaboration, streamlining workflows for network analysis.
- Developed a web-based network trace-sharing platform with a React front end and Node.js/Express back end, enabling users to post, interact with, and manage network traces through features such as voting, commenting, saving, etc.
- Integrated CI/CD pipelines using GitLab, streamlining workflows for faster deployments, improved code quality, and higher team productivity.
- Spearheaded the automation of helpdesk support ticket analysis using web scraping, NLP techniques, and data visualization, resulting in weekly reports with actionable insights for the development team, leading to increased customer satisfaction levels.

Sopra Steria

New Delhi, India

Software Engineer

Aug 2019 – Aug 2022

Tech Stack: Java, Node.js, REST APIs, PostgreSQL, Redis, Docker, Kubernetes, JUnit, Mockito

- Collaborated on the development of a SaaS application by integrating existing payment processors, enhancing operational efficiency and revenue potential.
- Developed microservices and deployed with Google Kubernetes Engine (GKE), ensuring scalable and resilient architectures.
- Developed automated unit and integration tests using JUnit, increasing test coverage and reducing manual testing effort.
- Implemented event-driven processing with Google Pub/Sub, optimizing system communication and data consistency.
- Designed and exposed RESTful APIs using the Backend-for-Frontend (BFF) pattern, ensuring seamless client-server interactions.
- Strengthened system security by integrating OAuth2 authentication, HTTPS, SSL certificates, Google ReCAPTCHA, and implementing HMAC for data integrity.
- Optimized SQL queries and database indexing, reducing query execution time by 20% and improving application performance.
- Led incident resolution and performance tuning, leveraging monitoring tools to maintain a defect density below 1 and consistently meet SLAs.
- Authored technical documentation on system architecture, API specifications, and troubleshooting guides while mentoring junior engineers through code reviews, and onboarding support, enhancing team productivity and knowledge transfer.

EDUCATION

Master of Applied Computing

Sept 2022 – June 2024

University of Windsor, Windsor, Ontario, Canada

Bachelor of Technology in Computer Science & Engineering

Aug 2015 - May 2019

Guru Gobind Singh Indraprastha University, New Delhi, India

ACADEMIC PROJECTS

AI-Powered Portfolio Automation, University of Windsor | [GitHub](#)

- **Technologies:** Python, Flask API, React, JavaScript, Large Language Model
- Led the development of an innovative web application designed to automate and simplify a web portfolio creation, enhancing the user's ability to showcase their skills and experiences effectively.
- Developed an advanced resume parser utilizing LLM, minimizing errors and saving user time by auto-extracting resume data.

eAcademy - Online Learning Platform, University of Windsor | [GitHub](#)

- **Technologies:** Django, Python, PyCharm, Pillow, Stripe API
- Developed an extensive online learning platform with interactive and user-friendly experiences for instructors and students.
- Implemented core features such as course management, cart management, checkout, secure payment options, student progress tracking, and flexible membership systems to boost educational accessibility and engagement.
- Integrated Stripe for transactions, designed intuitive user interfaces for seamless navigation and ensured user data security.