RISHABH PAHWA

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

TECHNICAL SKILLS

Programming Languages: JAVA, JavaScript, Go, Python, HTML, CSS
Frameworks & Libraries: Node.js, Express, Spring Boot, React, Django, Flask
Database: SQL (MySQL, PostgreSQL, MS SQL, Oracle), NoSQL (MongoDB)
Cloud Platforms: Microsoft Azure, Google Cloud Platform (GCP)
Version Control & Management: Git, GitHub, GitLab, Gerrit, JIRA
Other Tools/Technologies: Jenkins, Docker, Kubernetes, OSGi, Maven, Nginx, Kafka, Power Automate, Test Automation

PROFESSIONAL EXPERIENCE

Ericsson   Ottawa, Canada
Software Developer Intern   Jan 2024 – May 2024
- Improved team efficiency by providing a centralized repository for trace sharing and collaboration, streamlining workflows for network analysis.
- Collaborated with cross-functional teams to document user requirements and contribute to logical and physical specifications for new software features.
- 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.
- 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%.
- Integrated CI/CD pipelines, 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   Noida, India
Senior Software Engineer   Jan 2019 – August 2022
- Collaborated on the development of a SaaS application by integrating existing payment processors, enhancing operational efficiency and revenue potential.
- Built cloud-native microservices using Node.js and Express.js, deploying them to Google Kubernetes Engine and employing Google Pub/Sub for event-driven processing.
- Designed and exposed RESTful APIs using the Backend-for-Frontend (BFF) pattern, ensuring seamless client-server interactions.
- Streamlined deployments with a Jenkins-based CI/CD pipeline and automated testing using Jest, significantly reducing manual efforts, and improving system reliability.
- Strengthened system security by integrating Google ReCAPTCHA and implementing HMAC for data integrity.
- Maintained and enhanced an existing SAP ERP project, showcasing expertise in complex ABAP and SQL programming.
- Ensured timely delivery of user stories, code enhancements, and incident management, ensuing a defect density of less than 1.
- Produced comprehensive technical documentation, supporting high-quality deliverables and system maintainability.
- Mentored three new hires, fostering their growth with guidance on coding best practices and team integration.

EDUCATION

Master of Applied Computing   Sept 2022 – June 2024
University of Windsor, Windsor, Canada   **GPA: 84.3/100**

Bachelor of Technology, Information Technology   Aug 2015 - May 2019
Guru Gobind Singh Indraprastha University, Delhi, India   **GPA: 8/10**

ACADEMIC PROJECTS

AI-Powered Portfolio Builder, 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.