Kapil Dev Saini

Full Stack Developer @Wissen Technology Bengaluru, Karnataka

☎ 701-561-1204 ✉ saini17102001@gmail.com 🔗 linkedin.com/in/kapil-dev-saini-1b10a0251

Summary

Results-driven **Full Stack Developer** with **1+ year of hands-on experience** in developing and deploying **full-stack applications** using **Spring Boot, React, Next.js, and Python**. Skilled in **automation, backend systems, and Azure deployments**, with a proven track record of building a **browser automation platform for a healthcare client** that significantly reduced manual processes and improved operational efficiency. Passionate about crafting scalable, reliable solutions that bridge automation and user experience.

Technical Skills

- **Languages & Frameworks:** Java (8+), Python, Spring Boot, React.js, Next.js, C/C++
- **Architecture & API Design:** Monolithic, Microservices, RESTful APIs, Event-Driven Design
- **Databases:** PostgreSQL, MySQL, MongoDB, VectorDB
- **Messaging & Event Streaming:** Apache Kafka, Google Pub/Sub
- **Testing & Quality Assurance:** JUnit, Mockito, PyTest, Test-Driven Development (TDD)
- **DevOps & CI/CD:** Git, GitLab CI/CD, Docker, Kubernetes (basic), SonarQube
- **Cloud & Deployment:** Microsoft Azure (App Services, Container Instances, VMs), Google Cloud Platform (GCP)
- **Automation & Tools:** Browser Automation (Playwright, Selenium), AI Agents, Scripted Workflows

Experience

Wissen Technology pvt Apr 2025 – Jun 2026
Software Engineer Intern *Bengaluru,Karnataka*

- Developed a **Browser automation platform** for the client **IKS Health**, automating their **Prior Authorization** process.
- Reduced **Manual effort and human dependency** by enabling a fully automated 24×7 system.
- Optimized workflow efficiency — reducing processing time per request from **10–15 minutes** to **5–6 minutes**.
- Built responsive **Frontend interfaces using React.js**, enhancing usability and monitoring capabilities of the automation system.
- Designed and implemented the **Backend using Python**, integrating automation logic and APIs for seamless data flow.
- Collaborated with a cross-functional team to design scalable automation architecture and deploy it using **Azure App Services**.

Projects

Modern Online IDE (Full-Stack Development Project)
Personal Project

- Designed and developed a **web-based Online Python IDE** enabling users to write, execute, and test Python code directly in the browser..
- Implemented support for **backend development and API testing**, allowing users to build backend servers (e.g., Flask/FastAPI) and interact with live API endpoints.
- Built a **secure code execution environment** to safely run user programs with isolated runtime handling.
- Architected the system to support future expansion for multiple languages and containerized execution.

Browser Automation Platform using Playwright & LLM
Personal Project/Internship Project

- Built an intelligent browser automation system that breaks **high-level tasks** into actionable steps using an **LLM**.
- Integrated **human-in-the-loop** to guide the agent when stuck.
- Performed actions like **form filling, web scraping, and navigation** across browsers using **Playwright**.

Education

Chandigarh Groups of Colleges 2022 – 2026
Bachelor of Engineering in Computer Science Engineering *Landran(Mohali), Punjab*
Currently in 8th Semester | Expected Graduation: May/June 2026

Certifications

- **Snowflake SnowPro Specialty: Gen Ai Certification** (GES-CO1)
- **Snowflake SnowPro Core Certification** (COF-CO2)
- **Azure Developer Associate Certification** (AZ-204),