**Sahana Khanai**

**(Software Developer)**

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**Summary:**

I am an experienced Java Full Stack Developer specializing in Java, Spring Boot, Spring Framework, RESTful APIs, and Spring Security. I excel in building scalable, high-performance applications with a strong focus on code quality, security, and efficiency. I am eager to find a challenging role that will allow me to drive innovation and contribute to business growth.

**Education:**

* **Bachelor of Engineering | Computer Science and Engineering** August 2019 – May 2023

Visvesvaraya Technological University – Belagavi, **CGPA: 9.14**

* Recipient of Gold Medal 2023

**Technical Skills:**

Java | Spring Boot | Spring Framework | RESTful APIs | Spring Security | JDBC | JSP | Hibernate ORM | JWT | PL/SQL | MySQL | Python | C | GIT | Jenkins | React | JSON | SQL | Docker | CI/CD pipeline | SonarQube | HTML | CSS | JavaScript | Postman | Bootstrap | API development | Servlets | Unix | Web Technologies | Front-end development | Back-end development | Agile methodologies | SDLC lifecycle | PHP | Cloud computing | Generative AI | Object-oriented programming | DBMS | DSA | Operating system | Full-stack development| OpenAPI (Swagger)

**Soft Skills:**

Leadership | Communication | Adaptability | Flexibility | Problem-solving abilities | Teamwork | Collaborative | Time management | Analytical | Positive attitude

**Experience:**

**Tata Consultancy Services (TCS)** |*Java Full Stack Developer - Mumbai, Feb 2024 – Present*

A multinational IT services and consulting company.

* Developed and optimized Java-based applications, improving performance by 30% using Spring Boot, Spring MVC, Hibernate, and REST APIs.
* Designed & implemented scalable APIs, reducing response time by 40% and enhancing system efficiency.
* Built responsive UI with JSP, JavaScript, HTML, and CSS, boosting user engagement by 25%.
* Managed CI/CD pipelines with Jenkins, Docker, and SonarQube, increasing deployment efficiency by 35%.
* Resolved 95% of reported defects, improving system stability and reducing downtime.
* Led testing & debugging, accelerating bug resolution by 50% through rigorous QA coordination.
* Provided L2/L3 production support, decreasing critical incidents by 20% through proactive monitoring.

**NSREEM** | *Software Developer - Feb 2023 – May 2023*

A software development company specializing in innovative solutions.

* Designed and developed dynamic landing pages, increasing user engagement by 20%.
* Optimized website performance, reducing page loading times by 15%.
* Gained hands-on experience in frontend and backend development using HTML, CSS, JavaScript, and PHP.

**Knowx Innovations Pvt Ltd** | *Artificial Intelligence Intern -Bengaluru, Aug 2022 – Sep 2022*

A company focusing on innovative technology solutions.

* Developed a password manager, reducing authentication time by 30%.
* Implemented a Random Forest Algorithm for fraud detection, achieving 95% accuracy.

**Projects:**

*PG Management System*

A comprehensive management system for PG owners focused on secure access and usability.

* Developed a secure web-based PG Management System for PG owners using Spring Boot, React, Docker, MySQL, and RESTful APIs.
* Implemented Spring Security with role-based authentication, ensuring only authorized PG owners can manage PG details.
* Enabled functionalities to add, update, and delete PG details, including PG name, address, and contact information.
* Designed a responsive UI with React.js, improving usability by 30%.
* Optimized database performance, reducing query response time by 35%.
* Deployed using Docker for scalability and seamless maintenance.

*Bank Management System*

A web-based banking application facilitating various banking operations.

* Developed a web-based banking application using Java, JDBC, Servlets, JSP, and Apache Derby.
* Implemented core banking functionalities, including account creation, deposits, withdrawals, balance inquiry, and customer management, improving transaction efficiency by 30%.
* Designed a responsive UI with HTML, CSS, and JavaScript, enhancing user experience by 25%.
* Optimized database queries, reducing data retrieval time by 40% and ensuring seamless transaction. processing

*AI based picture translation app*

An innovative application that translates objects and text through AI technology.

* Developed an AI-powered picture translation app to identify objects and text for translation.
* Utilized TensorFlow for Object Detection and Text Detection, achieving 90% accuracy.
* Increased user engagement by 25% with effective translation features.

*Advanced Password Manager*

An advanced password manager with a focus on user-friendly design and enhanced security.

* Spearheaded the creation of a GUI-based Password Management System using Python, Tkinter, MySQL, and XAMPP.
* Streamlined user experience and data security, elevating the application's value proposition.
* Implemented robust encryption techniques and reduced password retrieval requests by 20%.

**Certifications:**

* Career Essentials in Generative AI by Microsoft and LinkedIn
* Spring Security 6 Zero to Master along with JWT, OAUTH2
* Master Java Web Services and REST API with Spring Boot
* Introduction to OpenAI API & ChatGPT API for Developers
* Infra & Data Security: Cyber Security Foundation
* Wings: Core Tech\_T4\_Integrating Distributed Ecosystems Curriculum
* Secuware - Cybersecurity Awareness Curriculum
* Generative AI Foundation Curriculum
* Accenture Virtual Experience Program on Forage
* Web Development Bootcamp | Udemy
* Data Science | Coursera
* SQL for Data Science by University of California | Coursera
* Machine Learning for All by University of London | Coursera
* Python Data Structures by University of Michigan | Coursera

**Achievements & Awards:**

* Achieved **Gold Medal in the B.E. Computer Science department**.
* Recognized as the **Best Student** in high school and PUC.
* Secured **1st rank** in Computer Competition and SSLC exam, earning accolades from the high school.
* **5 Star** in Python programming in Hackrank, **Top performer** in **ILP TCS training program**.
* In TCS received **Beyond Performance Awards, Xcelerate Warrior Certificate.**
* **Special Initiative Award** from **TCS** | June 2025

Recognized for outstanding contributions and proactive initiatives that positively impacted the team and organization. Appreciated as a role model for dedication and commitment.