Ambuj Solanki

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🪪 PROFILE

Software professional with **5+ years** of combined experience in **software development**, and QA testing. Skilled in designing scalable, maintainable solutions and eager to contribute to impactful projects while growing technical expertise. Seeking Full time opportunity.

🧠 TECHNICAL SKILLS

Programming Languages — TypeScript • JavaScript • Java • Python │ **Database** — SQL • SAP HANA Cloud • MongoDB │ **Back-end frameworks** — SpringBoot │ **Front-end frameworks** — Angular • React.js • HTML5 • CSS │ **Tools** — Git • Visual Studio • Docker │ **AI & Data** — Large Language Models (LLMs) • Prompt Engineering

💼 WORK EXPERIENCE

Working Student, *SAP* ⬈   Aug 2025 – Sep 2025 │ Walldorf, Germany
                                                                   Aug 2024 – Jan 2025 │ Walldorf, Germany
- Designed, developed, and optimized **dbt adapter** for SAP HANA Cloud
- Implemented **SAP HANA Cloud–specific features** to extend dbt functionality and improve adaptability.
- Contributed in an **agile environment (Scrum)** by participating in sprint planning, reviews, and cross-team collaboration.
- Project Link ⬈
- **Tech used:** Python, SQL, Jinja2, SAP HANA Cloud, dbt

Thesis Student, *SAP* ⬈   Feb 2025 – Jul 2025 │ Walldorf, Germany
Title: A Comparative Study of AI-Generated and Manually Written Code in Developing a Database Adapter for SAP HANA Cloud Using an Open-Source Framework
- Explored and implemented both **AI-generated and manually written code** to develop a custom dbt adapter for SAP HANA Cloud
- Evaluated the **efficiency, maintainability, and correctness** of code produced by **gen AI vs. human developers**
- **Tech Used:** Python, SQL, dbt, SAP HANA Cloud, ChatGPT, Gemini, Jinja2

Senior Test Engineer, *GlobalStep* ⬈   Feb 2022 – Sep 2023 │ Pune, India
- Conducted **smoke and regression testing** on daily builds to ensure game stability and quality.
- Designed and executed comprehensive **test cases** covering **functional**, **exploratory**, **regression**, and **web application testing** using **Selenium WebDriver** with **Java**.
- Reported and tracked issues using standardized bug databases with clear documentation.
- **Led a QA team of 4 testers**, managing task allocation, progress tracking, and quality oversight.
- Acted as the **poc between clients and QA team**, ensuring timely updates and alignment on deliverables.

Test Engineer, *Pole To Win Co., Ltd.* ⬈   Jul 2019 – Feb 2022 │ Hyderabad, India
- Executed **manual functional, usability, and system testing** for console and mobile games.
- Reported, tracked, and validated issues in collaboration with developers, improving debugging efficiency.
- Contributed to the creation of **test plans, test cases, and QA documentation**, ensuring robust coverage.
- Supported QA leads with **evaluation, risk identification, and quality improvement initiatives**.

📇 CERTIFICATES

Python for Everybody ⬀ — By University of Michigan (Coursera)

Explore Web Development with Angular ⬀ — LinkedIn Learning

Containerize Applications with Docker ⬀ — LinkedIn Learning

📁 PROJECTS

Petpal ⬀
- **Developed a user-facing platform** for pet services including adoption, events, grooming, and veterinary bookings.
- **Integrated secure Google OAuth login** and implemented **cloud-based image upload management**.
- **Tech Stack:** React, TypeScript, Node.js, MongoDB, Google Cloud Storage, Vite, OAuth2, HTML, CSS.

Hotel Management ⬀
- **Designed and built a full-stack booking and room management system** to streamline hotel operations.
- Implemented **JWT-based authentication** for secure access and **optimized backend logic** for performance.
- **Tech used:** Typescript, Java, Angular, Spring Boot, MySQL, REST APIs, JWT, HTML, CSS.

🎓 EDUCATION

Masters in Applied Computer Science, *SRH University Heidelberg*   Oct 2023 – present │ Heidelberg, Germany
- Specialized in **Business Computing (SAP).**
- Gained theoretical & practical knowledge of **SAP HANA Cloud** and **SAP ABAP**, including core concepts of data modeling, backend development, and SAP cloud architecture.

Bachelor of Technology, Computer Science and Engineering,   Jun 2015 – May 2019 │ Tirupati, India
Sree Vidyanikethan Engineering College

🌐 LANGUAGES

English — Fluent (C2) │ **German** — Basic (A1)

🧩 SOFT SKILLS

Adaptable | Team Player | Quick Learner | Strong Problem-Solving | Effective Communicator | Detail-Oriented