

# Ambuj Solanki

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 Hildastr. 3A, 69115, Heidelberg, Germany  ambuj-solanki  Portfolio

## 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 • MySQL • SAP HANA Cloud • MongoDB | **Back-end frameworks** — SpringBoot • Node.js | **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**,

Sree Vidyanikethan Engineering College

Jun 2015 – May 2019 | Tirupati, India

## LANGUAGES

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

## SOFT SKILLS

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