SeungJin OH

Fangenstrasse 10A
8713, Zurich, Switzerland
(+41) 78 662 0777
osjin016@gmail.com

Information Engineering student (TUM) with 2+ years of development experience in Switzerland. A precision-oriented builder who is energized by user empathy and solving real human problems through user-centric digital products. I combine technical expertise in LLMs with a commitment to fine details and service design to create software that delivers tangible value to people.

EXPERIENCE :

Sonova AG, Switzerland — *Internship in Software Development*

July 2023 - April 2025

- Conducted technology stacks evaluation (Vue.js, React, gRPC, .NET, Avalonia) to determine future architectural direction, transitioning from LabView, ensuring long-term scalability and optimal developer experience
- Led the end-to-end file server migration to a cloud-compliant architecture, ensuring alignment with updated network security policies by partnering with security teams, while achieving a 10x reduction in infrastructure expenses
- Led the complete adoption of Polarion (analysis, configuration, testing, training), projected to halve documentation/reporting time for developers; later adopted by other organizations
- Configured and created PowerBI for Internal Audit's follow-up data, including remediation process and analysis, enabling data driven tracking of remediation efforts; estimated to improve follow-up speed by 50%

March 2022 - April 2022 (Short term internship)

- Architected a CI/CD environment by integrating automated test suites (JUnit, VI Analyzer) into Jenkins/SVN, ensuring immediate feedback loops for the development team
- Optimised development workflows within Scrum sprints, acting as a Business Owner to bridge the gap between technical execution and strategic business goals.

PROJECTS :

Wortschaft — *German Vocabulary Learning App*

- Developed an adaptive vocabulary learning app driven by a specific user need, integrating LLM APIs to auto-generate flashcard content and solve the 'cold start' problem.
- Engineered a serverless architecture (Supabase, React, Tailwind) with row level security and SWR for robust, type-safe state management; Designed a scalable data model to track user "mastery", visualizing learning velocity with charts

StudyBuddy — *AI Study Guide* (https://github.com/Nekonardo/StudyBuddy.git)

- Architected a RAG engine to solve the LLM Hallucination problem for uni students, enabling the system to generate 100% curriculum grounded quizzes from uploaded lecture PDFs.
- Built a full-stack web app (React front + Python back) that parses complex file inputs with unstructured data and delivers structured learning modules with tailored analytics, using complex prompt engineering.

Automatic Water Dispenser

- Developed an automatic water dispenser for disabled, elderly, and children.
- Detects cup height and fills water automatically, allowing freedom in cup choice unlike other dispensers that require specific cups or preset amounts.

EDUCATION :

Technical University of Munich (TUM), Germany — *B.Sc. Information Engineering*

October 2021 - PRESENT

Relevant coursework includes: Algorithms and Data Structure, Software Engineering, Computer Network and Security, Linear Algebra, Databases, and more

Institut Montana Zugerberg, Switzerland — *IGCSE, IB Diploma*

August 2016 - June 2020

Achieved IGCSE and IB Diploma from an international school in Zug

SKILLS :

- Java, Python, C++
- JavaScript (Next.js, React, Vue.js)
- SQL, Supabase
- Git, SVN, Jenkins CI/CD

LANGUAGES :

Korean (Mother tongue)
English (Native level, C1)
German (Intermediate, B2)