

# SVEN DANEEL

Blockchain Engineer | Solidity | Smart Contract Dev | Web3 | Defi |  
NFTs | Typescript | Hardhat | Foundry

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https://blockchain-consulting.vercel.app/ Teufen, Switzerland



## SUMMARY

I am a Blockchain Engineer deeply involved in Distributed Ledger Technologies. Specializing in smart contract development, security, and scalable blockchain infrastructures, I am proficient in Solidity, Typescript, Foundry Hardhat, various EIPs, and other essential technologies that are critical to innovative blockchain solutions.

My experiences, span from the intricacies of blockchain development, student teaching, and internationally elite sports. This unique blend provides me with a well-rounded approach to problem solving. As a multilingual communicator (fluent in German / Swiss-German, English, Norwegian, and Swedish), I effortlessly integrate and collaborate with global teams, fostering an environment of collaboration and innovation. I am passionate about leveraging my skills in roles that demand cutting-edge architectural solutions and a forward-thinking approach.

## PROFESSIONAL EXPERIENCE (4+ YEARS)

Solidity Team Lead 02/2024 - Present

Sirio ~3 M TVL (Solidity, Typescript, Foundry) Remote

- Develop, Test and Deploy production Lending/Borrowing protocol on Hedera Hashgraph with around 3 Million Dollars in total value locked first week of launch.
- Integrate Oracle Price solution with Supra for Hedera Tokens
- Ensure Solidity quality check before audit (Fuzzing, Static Analysis, Slither, etc)
- Implement architecture of INO (Initial NFT Offering), ERC-20 and DAO Architecture

IT Consultant 07/2022 - 12/2023

Clinical Trials Unit Hospital (Tomcat, Java, Javascript, Linux) St.Gallen, Switzerland

- Successfully fixed Production issues for OpenSpecimen after it was down for 5 months before my initiative.
- Designed and developed Migration guides and documentation from Windows Server to Linux based environment.
- Automate Deployment process with Scripting.

Wallet Software Engineer 09/2021 - 09/2023

AlphaPoint ( Solidity, Ethers, Typescript, C#, Docker, MySQL) Manhattan, NYC

- Integrated Several Layer-1 Blockchains into Production ready environments (Polkadot, Avalanche, Solana, Ethereum, etc).
- Implemented core financial functions such as withdrawals, deposits, staking, and address creation, coupled with sweeping for enhanced security and efficiency.
- Developed an EVM-based MVP featuring Minimal Proxy Contracts with a factory pattern, utilizing CREATE2 for efficient generation of smart contract wallets.
- Managed and maintained multiple blockchain nodes, ensuring their configuration for both testnet environments and operational readiness.
- Spearheaded the architecture and design of MicroServices to abstract wallet sending and signing processes, focusing on enhancing operational modularity.

Full-Stack Software Developer 11/2020 - 09/2021

Kongsberg Digital (C#, Typescript, Docker, Azure, GraphQL) Oslo, Norway

- Assisted in the design and implementation of HACK (Holistic Access Control Kognitwin)
- Collaborated in streamlining and automating build, test, and deployment processes to enhance software delivery and reliability
- Collaborated on the development and refinement of Digital Twin models for oil rigs, utilizing Azure Maps for advanced geospatial data visualization and management
- Engineered an innovative Slack chatbot designed to automate and simplify the process of handling access control requests, thereby enhancing operational efficiency and user autonomy

## EDUCATION

Advanced Solidity & Zero Knowledge Proofs Bootcamp 12/2023 - 06/2024

Metana && Encode Switzerland, St.Gallen

Bachelor, Software Engineering 08/2017 - 06/2020

Oslo Metropolitan University Oslo, Norway

## SKILLS

### Ethereum

Solidity · Hardhat · Ethers · Foundry ·

Alchemy · Ganache · Remix · Wagmi ·

ERC-20 · ERC-721 · ERC-1155 · ERC-1167 ·

ERC-4337 · Upgradable Patterns

### Typescript/Javascript

Node.js · Angular · Next.js · Redux ·

Publish npm libraries · Mocha-Chai

### C#

ASP.NET · .NET Core · Entity Frameworks ·

xUnit

### Java

Spring · Maven · Tomcat

### Databases

MySQL · Mariadb · SQLite · MongoDB ·

Graph · Redis

### Rust

Cargo · Tokio

### Other

Docker · Azure · Devops · Kubernetes ·

Gitlab CI/CD · GraphQL · gRPC ·

Fireblocks · REST · Web socket ·

Pub-Sub · Scrum · MicroServices ·

Winston · Cairo · ZK-Sync

## STRENGTHS

### ★ Focused & Independent

At 16, I took the bold step of living independently in various countries, a journey that shaped my ability to swiftly adapt to diverse environments and cultures.

### 💎 Teamwork & Collaboration

My experience as an international professional ice hockey player honed my skills in teamwork and collaboration, teaching me the significance of unified efforts and diverse perspectives in achieving common goals.