Daniel Kashepava

Toronto, Canada (EST)

Website · GitHub · Telegram · LinkedIn · Email

I have over 3 years of experience as a Software Developer, including as a Smart Contract Engineer. Having worked in the Web3 space since 2021, I've been involved in everything from Solidity code to research articles, coding tutorials to content plans.

Skills

- **Languages**: Solidity, Yul, JavaScript, Rust, C++, Python, Java, Circom, Golang
- **Development**: Docker, Foundry, Hardhat, EthersJS, NodeJS, SnarkJS
- **Mathematics**: ZK SNARKs (Groth16), Polynomial Commitments, Elliptic Curves

Experience

Smart Contract Engineer

Node Guardians – Remote   October 2023 – June 2024

- Designed coding challenges to teach developers smart contract development, such as:
  - Modular Blockchains, State Channels, ERC-20 & ERC-721
- Created automated tests in Hardhat and Foundry to test user submitted code
- Crafted descriptions and tutorials describing how to solve the challenges
- Wrote technical articles about blockchain fundamentals and emerging technologies

Director of Content and Strategy

DODO – Singapore (Remote)   December 2021 – October 2023

- Wrote and edited press releases, technical documentation, tutorials, articles, and interviews in a dynamic DeFi startup
- Liaised with marketing team to deliver on-brand promotional content
- Managed official social media accounts
- Pitched product to a variety of investors

Cloud RAN vDU Integration & Test

Ericsson – Ottawa, Canada   January – December 2021

- Developed script to generate and authenticate carrier aggregation checksums transmitted via inter-gNB-DU signal channel
- Extended test tool options to support multiple tests with LTTNG traces
- Reduced bandwidth use by 20% by optimising trace message fields
- Used and extended GTest & DDT frameworks to write C++ test cases

Education

Bachelor of Computer Science

University of Waterloo – Waterloo, Canada   September 2015 – August 2020

- Program included 1.5 years of paid co-op internship experience:

Software Developer

JSI Telecom – Ottawa, Canada   September – December 2018
and   May – August 2019

- Developed new document export options in Ruby available to end users
- Integrated several log gathering strategies into one unified tool
- Updated modules for compatibility with new dependency versions
- Wrote and debugged Jenkins automated builds

Software Developer - DevOps

Dematic – Waterloo, Canada   January – April 2018

- Developed Groovy-based custom scripted fields and a bug-submission portal in Jira based on customer requests
- Resolved bugs in Jira, Confluence, Jenkins, GitLab, and TestRail
- Created and updated Jira projects and Confluence wiki pages

Software Engineer

Gemalto NV – Ottawa, Canada   September – December 2016

- Built C++ solutions for REST API virtual machine platform
- Developed command line scripts for bugtests and process automation
- Wrote & reviewed automated tests for cryptographic login in Python

Projects and Publications

- [LoanCreator](#) – Blockchain loan platform for Ethereum
- [Secrets Behind Arbitrum's BOLD](#) – Research series on Arbitrum's dispute protocol
- [Lido's Dual Governance](#) – Research article on Lido's governance system