ALPER SAID SOYLU

Software Engineer

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EXPERIENCE

Software Engineer, C++
Siemens

📅 August 2021 – Present   📍 Istanbul

- Developed adapters for industrial machine controllers of various vendors to provide a common API
- Designed special solutions for performance requirements, hardware and network limitations, monitoring, session management, thread management, configuration, data access, conversion, parsing, validation
- Provided feedback and review on architectural processes
- Experienced agile development on an international project

Software Engineer, C++
NETTSI Informatics

📅 March 2020 – August 2021   📍 Istanbul

- Contributed to the development of a real time deep packet inspection software.
- Designed and implemented optimized code for high throughput and low latency performance requirements.
- Developed L7 packet classifiers and implemented algorithms for application identification.
- Conducted data analysis for network behavior of applications to enhance classification and metadata collection.
- Investigated metadata on packet captures of applications for cyberintelligence analysis
- Actively participated in architectural discussions

Software Intern
Ottoo

📅 2019, 3 months   📍 Istanbul

- I did some research on OpenStreetMap architecture, tile servers, and map rendering technologies.
- Studied DevOps basics and tools such as Docker and Kubernetes.
- Designed a program to automate container image build tasks using Ansible and Bash.

EDUCATION

B.S. in Electronics and Communication Engineering
Istanbul Technical University

📅 2015 – 2020

- Signal Processing
- Microprocessors
- Algorithms & Data Structures
- Object Oriented Programming

GOALS

- *Specializing in all aspects of designing and implementing software systems.*
- *Focusing on domain-invariant core principles for the best practices.*
- *Always seeking out new knowledge to advance my competence for building robust and efficient solutions.*

SKILLS

C++   Linux   Python   Git   Docker

Software Architecture   Network Protocols

CERTIFICATES

Certified Professional for Software Architecture
iSAQB® – International Software Architecture Qualification Board

📅 July 2022   📍 Online

- Role and tasks of software architects
- Non-functional requirements and quality goals
- Components/building blocks and interfaces
- Cross-cutting concepts
- Documentation and communication of architects