Vinko Mlačić

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LinkedIn Profile   GitHub Profile   Stack Overflow Profile

EXPERIENCE

Chino.io   Trento, Italy
Software Engineer (Python / Django)   *Feb. 2021 - Present*

- Pitched a new consulting product inspired by consulting experience increasing efficiency of the consulting team who could take on $\sim 250\%$ more projects than before the tool was adopted with relatively minimal hiring.
- Prototyped the consulting product using Google Sheets and Google Apps Scripts for report generation in 2 days.
- Coded and tested the consulting product in Django framework achieving unit test coverage of 86%.
- Collaborated on development, maintenance, releases, testing, and tech support for over 10 Python and Java projects.
- Held and collaborated in cyber security consulting workshops with 5 customers and curated cyber security checklists for the company.

INRIA   Rennes, France
Cyber Security Researcher (Python)   *Apr. 2020 - Aug. 2020*

- Implemented Python Scripts for collecting and analyzing various threat data from the internet. Normalized and stored the data in MongoDB for processing by ML algorithms.

SedamIT   Split, Croatia
Software Engineer (Java)   *Jul. 2018 - Aug. 2019*

- Collaborated on architecture design for performance optimization strategies of existing monolithic application which improved throughput by 80 times compared to existing solution.
- Built the new optimized services that leveraged RabbitMQ message queue for improving the availability of crucial features of the product.
- Developed complex queries and more than 30 stored procedures in T-SQL that replaced ORM code for core features.

EDUCATION

EIT Digital Master School   France and Finland
M.Sc. in Cyber Security   *Sep. 2019 – Jun. 2022*

- **Thesis**: Data protection regulation ontology for compliance. Developed an ontology in OWL aimed at streamlining the cyber security consultation process when dealing with cyber security compliance (mainly GDPR).
- **University of Turku, Finland**: The exit university where I specialized in Network Security.
- **University of Rennes 1, France**: The entry year of my double degree where I was taught computer science with focus on cyber security. Graduated with highest honors (*mention très bien*).

University of Split   Split, Croatia
B.Sc. in Computer Engineering   *Oct. 2015 – Jun. 2019*

- **Thesis**: Management of LoRaWAN sensor nodes. Built code both for the sensor node and the CLI tool which coordinated voltage, transmission periods, frequency and other parameters for a network of sensor nodes deployed on *The Things Network*™.

PROGRAMMING SKILLS

- **Languages**: Python, Java, JavaScript, C/C++
- **Frameworks**: Django, Django DRF, Sprint Boot, Node.js
- **Databases**: PostgreSQL, MSQL, MySQL, MongoDB
- **Others**: AWS, Google Cloud Platform, Linux, Ansible, RabbitMQ, Celery, Gitlab CI