



## Skills

- **Programming:** Python, Golang, Java.
- **Web Development:** Django, HTML, CSS, JavaScript, PostgreSQL, ThreeJS.
- **Software:** Linux, Mac OS, Git, Kubernetes, Inventor, Fusion 360.

## Experience

### Software Developer II | Oracle (Oct 2021 – Today)

#### *Cybersecurity Engineer (Oct 2022-Today)*

Part of the Cybersecurity and infrastructure team, overseeing maintenance, patch updates, fuzzing, vulnerability analysis fixes, and data extraction for observability.

- Implemented robust input validation measures, enhancing the security of the product, and effectively mitigating potential Distributed Denial of Service (DDoS) attacks.
- Collaborated closely with cross-functional teams to address identified vulnerabilities and ensure timely and effective resolution.

#### *QA Engineer (Oct 2021-Oct 2022)*

Key member of the 5G Policy team, driving quality assurance initiatives through the design and implementation of Jira test plans and the development of Python automated tests.

- Continuously contributed to process improvements, leveraging feedback and insights to drive the implementation of best practices and optimize testing methodologies.
- Demonstrated proactive initiative by spearheading an innovative project to improve the company's documentation through the creation of interactive diagrams.

### Automation Engineer Jr. | Ruhrpumpen (Jan 2021 – Oct 2021)

Developed desktop and CAD applications for automation of oil/water pumps and engineering tasks.

- Successfully designed and implemented an automated 3D modeling program utilizing Inventor's API, specifically tailored for the company's [vertical sump pump](#) line.
- Collaborated closely with cross-functional teams, including engineers, project managers, and stakeholders, to gather requirements and align the ECN program with business needs.
- Created and maintained a smart app for universal parameter modification of Inventor parts and assemblies.

### Maintenance Engineer | INSEME (Nov 2018 – Jan 2021)

More than two years of experience in preventive maintenance and repair of industrial level electrical installations and equipment.

- Led a team and served as the primary point of contact for Heinz's maintenance and thermography job orders.
- Conducted thermographic inspections of transformers, capturing images for detailed analysis, and detecting potential anomalies or inefficiencies.

### Mechanical Designer | IM Ingeniería y Construcción (May 2018 – Nov 2018)

Created detailed mechanical models and drawings, including tolerances, for an armored cabin design.

## Projects

- [My web resume](#)
- [\[Python\] GF Gear Generator](#)  
(Collaborated with MIT grads)
- [STLGears.com](#)

## Education

- [Six sigma white belt.](#)
- Mechanical Engineering, ITESO 2020
- [Kubernetes Cert](#)