

Juan Miguel Gras Olea

Developer | Mechanical Engineer | Designer

Skills

Web Development

- Django
- Js | ThreeJs
- HTML | CSS
- Bootstrap

Programming

- Python
- Go
- Shell/Bash Scripting
- PostgreSQL | SQL Server

Certifications & Courses

- Threejs journey
- Six Sigma White Belt
- Kubernetes

Software

- Linux (Kali)
- Git
- Jira
- Inventor/F360

Projects

- [\[Threejs\] My personal web CV](#)
- [\[Python\] GF Gear Generator \(Collaborated with MIT grads\)](#)
- [\[Electron\] GF Gear Maker](#)

Experience

Software Developer II | Oracle (Oct 2021 – Today)

Cybersecurity Engineer (Oct 2022-Today)

Part of the solutions and cybersecurity infrastructure team. Responsible for the maintenance of the patch updates, fuzzing, and data extraction for the debug tools in Graphana.

- Lead developer for the backend and data extraction of the microservices log data for the Graphana dashboards and charts.
- Vulnerability analysis and updates for the code infrastructure, third party, and 4th party dependencies.
- Fuzz testing for the database and 5G policy microservices.

QA Engineer (Oct 2021-Oct 2022)

Part of the 5G Policy team, responsible for implementing automated test scripts, test plans for 5G related systems and functionalities, as well as the training for newcomers.

- Created shell scripts for the automated installation of 5G Policy services, retrieval of information and storage, as well as Kubernetes interactive installation scripts.
- Created test plans and featured automated testing using BDD and python for the ATS in the Linux server.
- Made the proposal and carried out the interactive diagrams project for improving the company's documentation.

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

Development of various desktop/CAD applications, calculators, designs for pumping related technology, and automated reporting programs.

- Developed the automated design program for the company's [vertical sump pump](#) line.
- Created the ECN (Engineering Change Notice) reporting program for the global management engineering team.
- Smart app for universally automated parametrization and design of parts for Inventor.

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.

- Team leader in charge of Heinz's maintenance & thermography job orders.
- Led to the successful installation of solar panels for Orgullo Azul's bottler in Tonaya, Jalisco.

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

Modeling of mechanical components and engineering drawings (including tolerances) for the design of an armored cabin for a private security company at Guadalajara.

Education

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