



UNIVERSIDAD TECNICA  
FEDERICO SANTA MARIA

## DIEGO IVÁN GALLEGOS PULQUILLANCA

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### PROFILE

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Bachelor's degree in Electronic Engineering, with a specialization in Computer Systems, and 2 years of professional experience in full-stack web development, with an academic background in machine learning and practical experience in data science. Recognized for a strong analytical and engineering-oriented mindset, with the ability to design, plan, and deploy systems in a structured and end-to-end manner, maintaining a comprehensive view. Experienced in Linux and Windows system administration, automation, and the consistent application of best practices aligned with industry standards, and currently deepening expertise in cloud computing and DevOps practices, with a growing interest in the operation, scaling, and understanding of distributed systems.

### ACADEMIC BACKGROUND

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Bachelor's Degree in Electronic Engineering – Universidad Técnica Federico Santa María – 2014-2024

High School Education – Liceo Camilo Henríquez, Temuco – 2010-2013

### PROFESSIONAL EXPERIENCE

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Santiago	<p><b>Revergy SpA Chile</b></p> <p><i>Fullstack Developer</i></p> <ul style="list-style-type: none"> <li>■ Implementation of a web application for management, analysis, and reporting of photovoltaic plants, subsequent deployment to a remote server and maintenance of its operation.</li> <li>■ Development of software and support solutions for the operation of the main project and the operation of the Asset Management area in general. Emphasis is placed on software packaging and versioning for easy deployment..</li> </ul>	April 2024 – Present
Santiago	<p><b>Revergy SpA Chile</b></p> <p><i>Internship</i></p> <ul style="list-style-type: none"> <li>■ Project proposal for a web application for the management, analysis and reporting of photovoltaic plant performance.</li> <li>■ Dockerization of main services, database design, definition of backend/frontend technologies.</li> </ul>	September 2023 – February 2024

Valparaíso	<b>Universidad Técnica Federico Santa María</b> <i>Teaching Assistant</i> <ul style="list-style-type: none"> <li>■ Teaching Assistant for the Systems Programming course.</li> <li>■ Grading Assistant for the Systems Programming Course.</li> </ul>	August – December 2023
Valparaíso	<b>Universidad Técnica Federico Santa María</b> <i>Internship</i> <ul style="list-style-type: none"> <li>■ Design of the landing page for the Aula USM platform.</li> <li>■ Implementation of the landing page using the React framework. Still in use to this day.</li> </ul>	January – February 2023

## TOOLS & TECHNOLOGIES

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### Programming Languages

Python	Expert
Python (Scientific stack)	Advanced
JavaScript/TypeScript	Advanced
Java	Intermediate
C	Intermediate
C++	Basic knowledge

### Frameworks (FE + BE)

Django/DRF	Advanced
React	Intermediate
Svelte/Sveltekit	Advanced

### Systems & Scripting

Linux	Advanced
Bash	Advanced
PowerShell	Intermediate
SSH	Advanced
Cron/systemd	Advanced
Nginx	Intermediate

### Containerization & Orchestration

Docker (compose)	Advanced
Kubernetes	Basic knowledge

### CI/CD

GitHub Actions	Basic knowledge
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### Version Control

GIT	Advanced
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### Databases

PostgreSQL	Intermediate
MongoDB	Basic knowledge
Redis	Basic knowledge

### Cloud Computing

AWS (IAM, EC2, S3, RDS, Lambda, ...)	Basic knowledge
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## Concepts & Architecture

- REST API design
- Separation of responsibilities (layers, services, data)
- Client–server architecture
- Distributed systems principles (conceptual)
- Stateless vs stateful services
- Data separation by responsibility and lifecycle
- Inter-service communication (HTTP, events – conceptual)
- Networking (TCP/IP, DNS, HTTP)
- Authentication and authorization (JWT, OAuth2 – conceptual)
- CSR vs SSR
- IaaS / PaaS / SaaS
- Serverless architectures (conceptual)
- Basic web application security principles

## LANGUAGES

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Spanish	Native
English	Advanced (C1)

## PERSONAL INFORMATION

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Nationality: Chilean  
Date of Birth: November 29<sup>th</sup>, 1995  
Rut (Chilean ID): 19.196.640-6