

Felix Hernandez Vieyra

Software Engineer — AWS Cloud Certified
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Visa: NZ Open Work Until 2028

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Auckland, New Zealand

I thrive in environments where I can take on diverse responsibilities and deliver on high-pressure deadlines with strong customer focus. Continuously learning new technologies and dedicated to building extensible, performant, and resilient software. Outside of work, I'm a social person and music enthusiast who enjoys flying drones and learning Dutch.

TECHNICAL SKILLS

- **Programming Languages:** Python, TypeScript, GoLang, C#
- **Databases:** PostgreSQL, MySQL, SQLite, DynamoDB
- **Frameworks & Tools:** Flask, FastAPI, Pydantic, Node.js, Express.js, React, Vue, Remix, Next.js, .NET
- **Cloud & DevOps:** AWS, Linux, Docker, CI/CD, Infrastructure-as-Code (Terraform, CDK, CloudFormation), Git
- **Data Engineering:** Databricks, ETL pipelines, Data Wrangling, Analysis & Visualization

EXPERIENCE

• Infinity Studio

Intermediate Software Engineer

Auckland, New Zealand

April 2024 – Dec 2025 (1.5+ years)

- **Company Context:** Geotechnical engineering platform enabling field data collection, infrastructure design workflows, liquefaction risk analysis, and parameter correlations for engineering teams.
- **Product Development:** Built and maintained 50+ end-to-end features and Python-based platform services to support geotechnical engineers, improving operational efficiency and data accuracy.
- **RESTful API Development:** Designed and implemented multiple RESTful APIs to perform complex analyses, export data, and generate custom PDF reports, enabling seamless integration with client workflows.
- **Domain Modeling:** Modeled geotechnical engineering domain problems into well-structured, maintainable software solutions, collaborating closely with subject matter experts to ensure technical accuracy.
- **Front-End Development:** Built high-performance, pixel-perfect, and secure front-end layouts using modern JavaScript frameworks, enhancing user experience and interface responsiveness.
- **Testing & Quality:** Implemented comprehensive unit and integration tests to enhance code quality, reliability, and maintainability across the platform.
- **Infrastructure-as-Code:** Developed infrastructure-as-code solutions for robust, automated, and scalable cloud environment deployments, reducing deployment time and infrastructure drift.

• Decodata

Full-Stack Software Engineer

Amsterdam, The Netherlands

July 2023 – February 2024 (8 months)

- **Company Context:** SaaS platform for furniture industry data management, enabling product catalog automation, design asset processing, and supplier integrations.
- **Data Processing:** Built back-end systems to manage and transform large volumes of design and product data, including pattern matching with regular expressions and image processing pipelines.
- **User Interface Design:** Built intuitive user interfaces that balanced design, performance, security, and responsive behavior across devices, improving user engagement and satisfaction.
- **Cloud Infrastructure:** Built and maintained cloud infrastructure-as-code with best practices, enabling efficient deployment, monitoring, and resilience of production systems.

• FeedProfessionals Ltda.

Junior Python Developer

Buenos Aires, Argentina

January 2023 – July 2023 (7 months)

- **Data Pipeline Automation:** Automated the customs data pipeline, improving report delivery time by 75% through analysis of datasets covering 5+ products from multiple countries across South America over 10+ years.
- **Data Gathering:** Implemented efficient data collection and processing workflows to support business intelligence and reporting needs.

• University of Calgary

ELAP Scholarship Holder (Student Exchange)

Calgary, Canada

June 2022 – December 2022 (6 months)

- **Research Collaboration:** Collaborated with a research team on publishing an article in a leading academic journal, contributing to neuroscience research methodologies.
- **Academic Excellence:** Secured scholarship in recognition of academic excellence, covering tuition, mobility expenses, and stay in Canada.

• Cognitive Neuroscience Laboratory (UdeSA)

Research Assistant (Internship)

Buenos Aires, Argentina

March 2022 – June 2022 (6 months)

- **Machine Learning Research:** Documented and reviewed Python code in a machine learning (NLP) clinical project for early detection of dementia, contributing to research methodologies and reproducibility.

EDUCATION

PROFESSIONAL DEVELOPMENT

- **Le Wagon** Amsterdam, The Netherlands
Data Engineering Course (360 hours) Completed
 - **Curriculum:** Intensive Python-based curriculum focused on modern data workflows, including data preparation, ETL automation, visualization, and machine learning pipelines.
 - **Digital House** Buenos Aires, Argentina
Web Development August 2021 – February 2022
 - **Front-End Development:** Enhanced proficiency in wireframing, layout design, styling, animation, and DOM manipulation using modern JavaScript frameworks for responsive, mobile-first, single-page applications.
 - **Back-End Development:** Developed expertise in relational database management, server-side programming, and RESTful API integration following agile methodologies and coding best practices.

CERTIFICATIONS

- **AWS Certified Cloud Practitioner:** Amazon Web Services (December 2023 – Expires December 2026)
 - **AWS Solutions Architect Associate (WIP):** Amazon Web Services (November 2025 – Present, In Progress)

LANGUAGES

- **English:** IB English as Second Language – Full Professional Proficiency
 - **Spanish:** Native level
 - **French/Portuguese/Dutch:** Basic conversational level

AWARDS & CONGRESS

- **Emerging Leaders in the Americas:** Secured scholarship in recognition of academic excellence, covering tuition, mobility expenses, and stay in Canada (June 2022 – December 2022)
 - **XIII International Research and Practice in Psychology Congress:** Delivered a workshop on Programming in R for Researchers at Universidad de Buenos Aires