Cris Esteban Taisigüe Álvarez

Data Engineer | AI & Cloud Solutions Developer

Multidisciplinary and highly adaptable Software Engineer with 3+ years of experience specializing in AI/ML tooling and cloud-native systems. Proven track record building scalable data pipelines and NLP solutions, including a 30%+ reduction in talent-matching time at Bearsoft.

Expert in backend development using Python, with strong experience designing modular and maintainable microservices. Deep knowledge of Google Cloud Platform (GCP), including orchestration with Kubernetes (GKE) and implementation of Istio for secure communication, traffic management, and observability.

Skilled in building end-to-end ETL pipelines, automating workflows, and integrating AI stacks to support production-grade ML deployments. Known for optimizing performance, driving automation, and delivering reliable, innovative solutions in fast-paced environments.

Contact Information

Emails: cris.taisigue@gmail.com
Physical Address: Costa Rica, Guanacaste

SKILLED IN

Platforms	Linux, MacOS, Windows
Technologies	Python: Pandas, Flask, Selenium, PySpark, Gensim, Spacy, Web Scrapping, GCP & Drive API, JavaScript, JQuery, HTML, CSS, Tailwind, Bootstrap, Vue, PHP & Laravel, C#, Java: Swing, Servlet, JDBC, RESTful API, Lua, R, Blender, ASMx86, Git
Databases	SQL, MySQL, PostgreSQL

TECHNICAL KNOWLEDGE

Technical Knowledge	FullStack, O.O.P, Cloud Computing: GCP, BigQuery, Bucket Storage, Cloud Functions, Compute Engine, Application Deployment, Dataproc, Docker, Responsive Design, Algorithms and Data Structures, NLP, Supervised Learning

WORK EXPERIENCE

The Bearsoft Inc. — **Costa Rica, Guanacaste**
Data Engineer — **Jan 2021 – Current**

Bearsoft is an AI-assisted technology recruitment partner helping companies find and engage qualified engineering talent faster than the industry standard.
During this time I participated in the following projects:

- **Project: Tech Skills Topic Modeling and Clustering (Jan 2021 - Current)**
  This project focuses on developing a topic model and clustering system for Tech Skills terms using the Latent Dirichlet Allocation (LDA) algorithm. The goal is to identify underlying themes and group related skills for enhanced analysis and application within the organization.
  Main tasks executed in the project:

- **Tech Skills Topic Modeling & Clustering:**
  Designed and implemented a topic modeling system using LDA to cluster and analyze tech skills, enhancing internal data categorization and insights.

- **Data Infrastructure & Integrations:**
  Built robust data pipelines and automated workflows using Python. Integrated external platforms, including ATS and content distribution systems.

- **Search Engine & Job Prioritization:**
  Contributed to the development of a smart search engine to match engineering talent with job roles. Designed logic to prioritize job postings based on predefined criteria.

- **Cloud Deployment & Infrastructure:**
  Deployed applications across cloud environments (Compute Engine, Cloud Functions, Cloud Run). Managed VPS environments to ensure system reliability.

- **Web Interfaces & Microservices:**
  Developed and maintained internal web applications and RESTful microservices for data processing, transformation, and delivery.

- **Natural Language Processing (NLP):**
  Implemented NLP models for text categorization (TextCat) and Named Entity Recognition (NER), improving the organization's semantic understanding and data enrichment capabilities.

Contributed to building scalable data infrastructure, smart talent-matching tools, and NLP-driven insights, significantly improving recruitment efficiency and operational workflows.

Technologies: Python, Latent Dirichlet Allocation (LDA), Cloud Computing (Compute Engine: VM Instances, Cloud Functions, Cloud Run), RESTful Services, Microservices, Natural Language Processing (NLP), Supervised Learning.

Memorial Pets **San Jose, Costa Rica**
Systems Integration & Optimization Engineer **(Jun 2024 – Nov 2024) Part-time**

Memorial Pets is a regional leader in pet cremation services.
During this time I participated in the following projects:

- **Project: ERP Integration Support (Jun 2024 – Nov 2024)**
  Supported the integration and optimization of the company's ERP system to enhance operational efficiency, streamline service workflows, and improve cross-departmental communication.
  Main tasks executed in the project:
  - Provided technical support for engineers and end-users, resolving ERP-related issues through debugging and troubleshooting.
  - Designed and implemented a module to simplify cremation service order management.
  - Conducted reverse engineering on legacy components to identify system bottlenecks and failures.
  - Automated report generation processes to improve interdepartmental communication and data accessibility.

  Performed reverse engineering on legacy systems to diagnose and resolve core failures and optimized communication flows between departments by automating report generation.

  Technologies: Python, SQL, Laravel, ERP systems, VPS, Linux

EXTRACURRICULAR & COMMUNITY INITIATIVES

Sulá Batsú – Generación 3.0 (2014): Youth empowerment through digital literacy.

CICSOH UNA Congress (2019): Participant in the cybersecurity and hyperconnectivity congress.

EDUCATION

Mar 2019 – Dec 2023	BSc in Business Informatics	University of Costa Rica (UCR)

LANGUAGES

Spanish: Native

English: B2

Other Language: None