

# DERIC SAN ANDRES

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## EXPERIENCE

- Software Engineer, Automa Solutions

MAR 2024 - PRESENT

Technical Skills: Python, GCP, Git, OOP, Flask, Django, REST, Kubernetes, Git, Docker, Postman, AI, SQL, Make

  - Led and architected automation solutions tailored to client challenges while demonstrating versatility in a startup environment by wearing multiple hats and enduring long hours under stress. Conducted GitHub and code reviews, managed pull requests, and optimized overall code performance.
  - Executed industry-standard testing (unit, integration, and regression) and streamlined workflows through proactive bug fixes, feature enhancements, and continuous improvements.
  - Developed web scraping solutions with CAPTCHA and Human-like behaviors to bypass techniques for data retrieval, integrated AI tools (GPT-4, Llama, and Claude) for summarization and analysis, and applied prompt engineering best practices (e.g., K-shot prompting) for optimized efficiency.
  - Delivered full-stack development using React and the MUI library, including creating an intranet for SharePoint, and managed GCP Cloud infrastructure by configuring IAM permissions, setting policies, and maintaining services such as Cloud Run, Cloud Functions, optimized Cloud Buckets, and Cloud SQL instances.
  - Designed and optimized ETL pipelines to streamline data integration and processing while enhancing data integrity by addressing inconsistencies through GitHub Actions and Docker deployments.
  - Established fallback systems with comprehensive logging and integrated incident response tools via Discord, Slack, and the Twilio API to boost reliability. Ensured scalable architecture by applying OOP, SOLID principles, clean code, and best architectural practices, ultimately enhancing code quality and team collaboration.
- Jr. Software Engineer, Gamer Points

AUG 2023 - JAN 2024

Technical Skills: React.js, Electron.js, C#, TypeScript, Javascript, .NET, Git, NoSQL, NodeJS

  - Enhanced features in the Gamer Points application by implementing Node.js endpoints, adding backend features such as two-factor authentication, integrating security measures, addressing performance bottlenecks, and adding integrations with new games.
  - Conducted testing and maintained debugging for the Gamer Points application.
  - Participated in sprints, code reviews, coding sessions, and stand-up meetings, resolving merge conflicts and solving tickets efficiently.
  - Demonstrated versatility by wearing multiple hats in a startup environment, contributing across development, testing, and project management.
- Backend Developer, Nueva Technologies

JAN 2023 - MAY 2023

Technical Skills: Xcode, Swift, Gitlab, NoSQL, OOP

  - Completed a 480-hour internship, fulfilling graduation requirements.
  - Led an intern team to design and develop the NOS Application, streamlining the management of people, resources, and inventory. Participated in code reviews, sprint stand-ups, and code pairing sessions, efficiently managing pull requests, resolving merge conflicts, and conducting rigorous code testing.
  - Developed multiple iOS applications, including a Weather App, Xylophone, and a Crypto Exchange Rate app.

## EDUCATION

- BS Information Technology - Ateneo de Naga University

JUN 2019 - JUN 2023

  - University and Government Scholar

## TECHNICAL SKILLS

Languages: Python, TypeScript, Javascript

Tools: Github, Cursor, Postman

Cloud: AWS, Google Cloud

Collaboration: Jira, Slack, Teams, Monday.com, Asana, Trello

Database: MySQL, PostgreSQL, MongoDB,

Frameworks: Flask, Django, React.js, Node.js

Automation: N8N, Make, Selenium, Playwright

## PROJECTS

[Paytrack \(Google Cloud, Python, IAM, OAuth, Gmail API, Flask, OOP\)](#)     [AIS \( PHP, Laravel, MySQL, Flutter \)](#)  
[ChartSync \(Google Cloud, Python, GPT-4, Playwright, Flask, OOP\)](#)  
[CryptoTradeTracker \( Binance, ByBit, Python, Authentication, Google Cloud, Flask, OOP \)](#)

## INTERESTS AND HOBBIES

I'm passionate about coding, reading, jogging, and enjoying a good cup of tea. I love watching NBA games, playing basketball, exploring tech and AI, gaming, and challenging my mind with chess. Traveling and learning to play golf add a spark of adventure to my life.

## CERTIFICATIONS

Oracle Generative AI 1Z0-1127-25

Python for Everybody

[Hands-on Introduction to Linux Commands and Shell Scripting](#)

Cisco Certified Network Associate

[Introduction to Software Engineering](#)