

ENMANUEL AVENDANO GUTIÉRREZ

CAREER OBJECTIVE

With over ten years of experience as a backend software developer, I have a solid track record of supporting platforms in the Java ecosystem. I am passionate about Lean Thinking for process improvement and computing science. I am enthusiastic about collaborating with like-minded individuals who value work-life balance. In my role as a senior engineer, I am dedicated to sharing my knowledge to help promote the careers of other engineers.

EXPERIENCE

SENIOR SOFTWARE ENGINEER

Terazo Costa Rica, San José / Dec 2022 - Present

I am involved in various projects, with a focus on Data Engineering and ETLs. I also provided input for analyses and recommendations for clients requiring data analytics and transformations. These recommendations had to be tailored to different requirements based on technical resources, staffing, and financial constraints. Security and architectural considerations were always part of the discussions and factored into the final proposals.

Part of my engineering responsibilities included:

- Quickly adapt to the client's requirements to ensure that development begins and ends on time with minimal delays.
- Support project maintenance based on the client's capabilities. New perspectives, assessments, and previously unconsidered observations may lead to the shaping of new requirements and features.
- Continuously learn new specific technologies such as Snowflake, Azure Data Factory, Step Functions, queue systems, and databases to enhance company assessments and customer recommendations.
- Machine learning and data analysis were crucial to our project approach, benefiting our customers and ensuring the high quality of our deliveries. We utilized these capabilities even after project completion to troubleshoot quickly and predict potential scenarios, enabling effective

✉ eavendano.ic@gmail.com

☎ (+506)7013-5089

📍 San Vicente Moravia, San José

EDUCATION

INSTITUTO TECNOLÓGICO DE COSTA RICA

Cartago, Costa Rica

*Bachelor's Degree Computer
Engineering (Jan 2015)*

WEB DEVELOPMENT SKILLSET

Java

Spring Framework.

PostgreSQL

MongoDB

Redis

SQLite

Reactive Programming.

Reporting

Monitoring

Scheduling

Javascript

ReactJS

NodeJS

DenoJS

NextJS

GraphQL

Docker

CI/CD

Github (Actions)

Gitlab

responses from our clients and systems.

TEAM LEAD / TECH LEAD ENGINEER

Edify Costa Rica, Alajuela, Alajuela / Sept 2021 – Sept 2022

In my role, I managed a newly formed engineering team for an existing project, taking on new challenges and advancing the project's capabilities and features. Additionally, I worked under constant pressure to troubleshoot user requests and educate new team members on designing, implementing, and evaluating engineering solutions.

Part of my Lead responsibilities included:

- Providing mentorship for team members.
- Regularly reviewing individual progress and improvement.
- Ensuring that initiatives align with personal goals.
- Delegating initiatives, features, and requirement management to the appropriate engineer(s).
- Prioritizing, evaluating, and updating priorities in sprint management.
- Evaluating the overall architecture on macro and micro scales. - Reviewing and designing new requirements.
- Overseeing development and release processes, strategies, and schedules.
- Discussing new design proposals, performing ARBs, and signing off for new features.
- Other responsibilities include reviewing and proposing solutions when issues arise, effective decision-making, and evaluating risks.

FULFILLMENT TEAM LEAD

Backcountry.com, Santa Ana, San Jose Feb 2021 - Sep 2021

At Fulfillment Engineering, we had to implement a completely new development structure, work with contractors worldwide, and deliver high-quality software on time. My responsibilities included aligning team needs with business priorities and devising strategies to solve architecture problems and ensure quality assurance. Additionally, we needed to simplify the architecture while maintaining performance in warehouse operations, among other technical and non-technical challenges.

SOFTWARE ENGINEER

Backcountry.com, Santa Ana, San Jose Oct 2017 - Feb 2021

We have taken over the existing marketing technology stack as part of the newly formed Marketing and Merchandising Team. Due to resource reallocation, we are now dealing with different content and merchandising tools and processes. To handle data changes efficiently, we need to understand and manage concepts such as

DATA ANALYST / PIPELINE SKILLSET

Python
Numpy
Pandas
Panderas
Polars
ETL Processes
SQL / NoSQL Databases.
Machine Learning
Business Intelligence
Marketing
Merchandising
Snowflake

AWS SKILLSET

RDS
EC2
SQS
SNS
S3
Lambda
Secret Manager
Cloudwatch
Eventbridge
Step Functions

AZURE SKILLSET

Azure Data Factory
Azure Logic Apps
Azure Document Intelligence

CERTIFICATIONS

Certified Scrum Master by Scrum Alliance Inc.

geographical distributions, taxonomy, and bulk operations. We are also responsible for copywriting, data organization, and structural support.

Responsibilities:

- Support all technology platforms for our team's clients and improve performance whenever necessary or at any opportunity.
- Due to the many clients, our daily tasks involved understanding the relationships between platforms, processes, and customers, building a shared team knowledge base, and providing technical and relevant feedback whenever requests arose.

SOFTWARE ENGINEER

Backcountry.com — Santa Ana, San Jose Oct 2016 - Oct 2017

As a member of the Marketing Tech Team responsible for feeds and personalization, we have focused on integrating our company systems with our feed providers to deliver the most up-to-date data to our customers. Additionally, we have been involved in personalizing product recommendations in our emails to enhance our customers' experience.

Responsibilities:

Monitoring and collecting metrics related to our systems to address any failures, as well as enhancing functionalities and gathering information to make data-driven decisions that will maximize the value of our work.

SOFTWARE ENGINEER

Backcountry.com — Santa Ana, San Jose Nov 2014 - Oct 2016

As part of the Fulfillment Team, I create, improve, and design solutions for management systems and their communication, such as the Order Management System and the Warehouse Management System. Additionally, I assist clients in maximizing customer value.

Responsibilities:

- We constantly monitor the metrics system for failures and are dedicated to improving functionalities to enhance the team's daily performance. This focus on improvement is a testament to our team's capabilities.
- We also focus on process improvement through Lean Thinking, which helps us better understand our existing processes, improve performance, and optimize resource allocation throughout the order life cycle. This approach allows us to maximize customer value and provide a better user experience when they make purchases on our sites.

SOFTWARE ENGINEER INTERNSHIP

Backcountry.com — Santa Ana, San Jose Jul 2014 - Nov 2014

As a member of the Fulfillment Team, I am responsible for creating a Metric System to monitor the team's applications and services.

Responsibilities:

- We are enhancing the visuals of the existing Metrics System Dashboard to improve viewers' interpretation of metrics.
- It significantly improves application metrics' processing time using threads and shared memory.
- Implementing a Replica Set and a Failover System for the MongoDB Database to ensure quick response in case one or more nodes are unavailable.
- We're creating an alerting system for Metrics to monitor critical data for performance improvement.

JUNIOR JAVA DEVELOPER

Aktek S.A — Curridabat, San Jose Sep 2013 - Jun 2014

In my previous role, I was part of a team responsible for supporting various tasks for our clients, including accountability, enrollment, scheduling, and score management for private and public universities. We also developed and supported the reports that our software could handle.

Responsibilities:

- We are developing software solutions to enhance accountability, enrollment, scheduling, and score management for professors, administrative staff, and students.
- We assess the feasibility of process change requirements and implement and test the solutions.
- I handle basic reporting in accountability, enrollment, scheduling, and score management to lay the groundwork for the company's business intelligence model.