

# Mauricio Garcia-Paez

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## EXECUTIVE SUMMARY

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Results-Driven Software Developer seeking an opportunity to apply my full-stack and back-end engineering expertise—spanning scalable system architecture, REST API development, cloud deployment, and database optimization—while continuing to grow professionally and contribute high-impact technical solutions.

## WORK EXPERIENCE

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### AMAZON

*Oct 2019 – Present*

#### *Fulfillment Center Associate*

- Analyze workflow logistics to identify operational bottlenecks and implement strategies that minimize workload buildup.
- Manage resource allocation across multiple warehouse sectors to ensure uninterrupted operational continuity during peak volume periods.
- Maintain high productivity metrics by consistently meeting or exceeding daily throughput targets in a fast-paced logistics environment.

### AUTISMCOE

*May 2023 – Aug 2023*

#### *Behavioral Health Technician*

- Collected and analyzed quantitative behavioral data during therapy sessions to assess client progress against treatment plans.
- Executed individualized intervention strategies while maintaining 100% compliance with safety protocols and documentation standards.
- Collaborated with clinical supervisors to refine treatment goals informed by daily data analysis.

## PROJECTS

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### TrekSafe | Technical Lead & Full-Stack Developer

- Designed an offline-first mesh safety network using Bluetooth Low Energy (BLE) to enable SOS relay and user discovery in zero-connectivity environments.
- Engineered a 52-endpoint Spring Boot REST API with JWT security, managed production PostgreSQL schemas, and deployed the system as a service on AWS EC2 and RDS.
- Developed a Kotlin Android client following a strict MVVM architecture with Jetpack Compose and Room DB for local caching and background synchronization via WorkManager.

### TuneTribe | Team Lead & Full-Stack Developer

- Directed a cross-functional four-person team using Scrum to oversee the full software development life cycle, producing a 33-page SRS to ensure technical alignment and project execution.
- Designed a Spring Boot and MySQL backend with custom RBAC to manage permissions across Admin, Moderator, and Artist user tiers.
- Integrated the Spotify Web API to develop a dynamic content engine supporting real-time music discovery and automated recommendation logic within a Thymeleaf-driven front-end.

## EDUCATION

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### UNIVERSITY OF NORTH CAROLINA GREENSBORO, Greensboro, NC

*Bachelors of Science Degree in Computer Science*

### DURHAM TECH COMMUNITY COLLEGE, Durham, NC

*Associates Degree in Arts*

## SKILLS

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**Languages:** Java, C, C++, Python, SQL, JavaScript, PHP, Kotlin

**Backend & Frameworks:** Spring Boot, REST APIs, JWT Authentication, Hibernate, Android Room.

**Cloud & Infrastructure:** AWS (EC2, RDS), Google Firebase, Gradle, Git.

**Database:** PostgreSQL, MySQL, Query Optimization, ER Modeling.

**AI & Concepts:** Machine Learning, LLMs, Multithreading, Agile/Scrum, System-Level Programming.