



## Daniel Patterson - Backend Software Developer

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### Objective

Analytical, inquisitive software engineer skilled in leadership, with a strong foundation in math, logic, and cross-platform coding. Seeking to leverage skills in collaboration, optimization, and development to build innovative software solutions as a programmer.

### Experience

#### Backend Software Developer, Jivasoft, San Antonio, TX | Feb 2024 - Current

Developed scalable backend solutions for first responders, ensuring system reliability in mission-critical environments. Oversaw the software development lifecycle, focusing on code quality, process optimization, and team collaboration. Managed multiple projects, enhancing account management and integrating legacy systems with modern infrastructure.

#### Junior Field Engineer, GR Energy Services, Pleasanton, TX | 2017 - 2021

Managed a wireline technician crew, overseeing pump-down perforation operations alongside hydraulic fracturing to optimize production efficiency. Applied leadership and problem-solving skills to ensure operational safety, compliance, and efficiency, laying a strong foundation for effective project management and technical proficiency.

### Education

University of Texas, San Antonio – B.S. in Computer Science | GPA: 3.98

Relevant Coursework: Data Structures | Analysis of Algorithms | Software Engineering | Operating Systems | Systems Programming | Programming Languages | Database Systems | Cloud Computing | Artificial Intelligence | Data Science | Computer Architecture | Computer Organization | Web Technologies | User Interfaces | Cyber Operations | Principles of Cyber Security | Computer Programming I & II | Discrete Math

Panola College, Carthage – A.A.S. in Petroleum Technology | GPA: 3.84

### Skills

Tech Stack: Python, Go, Java, React, HTML/CSS, SQL

Tools & Platforms: AWS, Azure, ChatGPT, GitHub, VSCode, Jira

Business Skills: Team Leadership, Project Management, Creative Thinking

## Projects

### Modernized Legacy Systems for Scalability and Integration

Description: Redesigned and modernized a legacy system by migrating the .NET codebase to Go and SQL, successfully merging two platforms into a unified, scalable solution that improved performance and efficiency.

Tech: Go, MSSQL

### Enhanced Account Utilities for User and Account Management

Description: Developed an advanced account management system, enhancing user and account management features, streamlining user data handling, and improving system efficiency and control.

Tech: Go, MSSQL

### Online Bookstore Crafted from Surveys

Description: Designed a web-based bookstore that utilized real data collected from curated surveys to optimize the user experience.

Tech: Azure, Next.js, Java Spring Boot, MySQL

Course: User Interfaces

### Trading Card Website

Description: Developed a responsive trading card management website with dynamic filtering and user accounts. Led weekly scrum meetings to drive team collaboration and ensure timely delivery.

Tech: React, Java Spring Boot, MySQL

Course: Software Engineering

### National Park Mapping Application

Description: Developed an interactive mapping tool for all 63 national parks, featuring search and filtering capabilities to provide travel enthusiasts with an engaging experience.

Tech: Java, JavaFX, SceneBuilder

Course: Applications Programming

### Cybersecurity Awareness Website

Description: Built and hosted a cybersecurity education website on AWS, featuring tools like a password generator and security checklist to promote best practices.

Tech: AWS, HTML/CSS, JavaScript, PHP, MySQL

Course: Web Technologies

### Time Series Forecasting and Sentiment Analysis

Description: Conducted sentiment analysis on Elon Musk's tweets using BERT and developed forecasting models for Tesla stock trends based on time series data.

Tech: Python, Time Series Prediction (TSP), Bidirectional Encoder Representations from Transformers (BERT)

Course: Artificial Intelligence