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