

JASON GONG

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PROFESSIONAL EXPERIENCE

Redbird (YC W22) - Software Engineer

📅 January 2023 – Present

📍 Remote Position

- Developed a no-code platform to help analytics teams automate their data engineering workflows and improve reporting capabilities
- Built applications for users to authenticate, configure, and collect data from external sources through APIs and robotic process automation
- Integrated with enterprise cloud platforms to pull and aggregate data over a given date range or cadence. Implemented parallel processing, pattern recognition, and automated testing to optimize the ETL pipeline
- Created a SQL query builder and other reusable components to filter data across multiple connectors. Replicated the Google Drive interface for users to navigate files and directories within a data warehouse
- Revamped the landing page to include drag-and-drop functionality and added data models to track all workflow configurations in one place
- Developed interactive dashboards for data visualization and business intelligence, generating charts and tables based on filters, predefined rules, and newly ingested data

Ready (YC S20) - Full Stack Engineer

📅 August 2021 – November 2022

📍 Remote Position

- Built a platform to help connect people with better broadband around the country. Took ownership of the messaging and notification system across our enterprise management website and consumer-facing app
- Designed and implemented new features for the messaging command center using Node, GraphQL and React, while prioritizing customer issues and continual product enhancements
- Set up email and text messaging for automated customer alerts, marketing campaigns, and bulk outage notifications using Twilio and Sendgrid
- Created tools for admins to customize email templates with dynamically populated fields and configure messaging preferences for subscribers
- Built a dashboard for analytics and an overview page to track and filter all previous messaging transactions, including a detailed view of each message and the delivery status
- Developed and shipped extensible code to enhance messaging coverage within payments, community outreach, and subscriber management

PREVIOUS INTERNSHIPS

Capital One - Technology Development Program

Built an internal tool to manage application checks and release updates for agile developers, product owners, and testers

Motorola Solutions - Software Engineering Intern

Developed a system to retrieve and monitor radio, console, and repeater information for our commercial products

British Petroleum (BP) - Trading Development Intern

I was part of the rapid application development team, creating analytical tools for our crude oil traders and operators

EDUCATION

B.S. in Computer Engineering

University of Illinois at Urbana-Champaign

📅 August 2017 - December 2020

PERSONAL PROJECTS

DevConnector

Created a social networking website for developers to connect by sharing their skills and experiences. New users can make an account and add their GitHub repos, social media links, and professional experiences. In addition, users can make forum posts or provide feedback by liking and commenting on other posts. Implemented secure user login and authentication using password hashing and JSON Web Tokens.

Chess Engine

Developed a program to analyze and play chess against an AI with varying levels of difficulty. Implemented the min-max algorithm with alpha-beta pruning to find the best possible moves. The engine will evaluate and score each chess position by comparing the material advantage and piece activity. Added a game log, piece highlighting, and move animations for the GUI.

Demon Slayer VR

Created an immersive hack and slash VR game with Unity, Oculus (Rift), and C#. Players must survive waves of enemies using melee attacks and special abilities to unlock new levels and set a high score.

NLP Chatbot

Built a command line application that responds to user inputted questions. Used TensorFlow to implement a sequence-to-sequence model with recurrent feedback loops. Preprocessed data from movie conversations by filtering out characters and mapping words to integers.

Crypto Tracker

Developed an iOS app that tracks top cryptocurrencies using an open-source API. Displays live pricing updates, market trends, and historical data on interactive charts.

LANGUAGES

Python C++ C JavaScript SQL Swift
HTML CSS LaTeX C# x86 Assembly

TECHNOLOGIES

Git Node.js MongoDB React PostgreSQL
GraphQL Django TensorFlow Unity GDB