Joe Brijs

joebrijs@gmail.com | joebrijs.dev | linkedin.com/in/joe-brijs

Education

Utah State University Expected May 2025
Bachelor of Science: Computer Science *GPA: 3.72*

Experience

Software Engineer - Intern May 2024 – Nov 2024
Elektrik *Lindon, Utah*

- Designed and implemented web app search tools for medium voltage accessories using Rust and Angular by analyzing datasheets and integrating part data, resulting in a 25% revenue increase over the previous year
- Reduced credit application time from days to minutes by creating an adaptive form and automating workflows via Slack and GCP Pub/Sub, generating PDFs, and integrating the process into the web app dashboard
- Led the transition from Angular to React, reducing the frontend codebase by 40%, improving UI/UX, and enhancing developer efficiency, resulting in a more maintainable codebase
- Standardized two MongoDB collections by developing a Rust CLI, saving an estimated 20 hours of employee time
- Contributed to a fast-paced early-stage startup environment, adapting to evolving requirements, taking on cross-functional roles, and directly impacting key product decisions and technical implementations

Projects

Stock Price Neural Network Web App | *Python, PyTorch, Flask, React.js, AWS, Docker*

- Developed an automated data pipeline that collects stock price data, engineers features, and stores the data in Amazon S3 for real-time predictions
- Designed and trained LSTM neural networks to predict next-day stock prices for major tech companies
- Implemented AWS Lambda functions for automated data fetching and prediction after market close, scheduled via AWS EventBridge Cron jobs to ensure timely updates
- Created API endpoints using AWS Lambda and API Gateway to serve stock price predictions and compare actual vs. predicted prices
- Built a dynamic React web app to display stock predictions and performance metrics, hosted on AWS S3, integrated with CloudFront for CDN distribution, and managed DNS with Route 53
- This project is hosted at www.faangfinance.com

AI Workout-Plan Web App | *React.js, Django, TailwindCSS, Git*

- Developed a full-stack web application that enables users to create, store, and track workout plans, providing a seamless fitness management experience.
- Integrated OpenAI Assistants API to offer both manual and AI-generated workout plans, allowing users to choose between custom or automated plan creation.
- Designed an intuitive, dynamic UI that enables easy addition and editing of workout plans, enhancing user interaction and overall experience.

Skills

Languages: Rust, Typescript, Python, HTML/CSS
Frameworks: Angular, Actix Web, Django
Libraries: React.js, Flask, Redux
Developer Tools: Git, AWS, MongoDB, Docker