Josh Hughes

EXPERIENCE

AlgoPulse Research Ltd.
August 2023 – Present | Founder

› Formulated, developed, tested, optimized and deployed several profitable trading systems with 48% win rates and a profit factor of 2.3 on average, including fully automated strategies and semi-automated strategies using Pyton, C#, Javascript, and Pinescript.

› Utilized webhooks to securely transmit data onto a widely used platform for customers to receive real time trading signals.

› Constructed and integrated a learning platform for trading. Includes four modules, each with at least three to four sections. Each section contains quizzes and interactive answers to heighten retention.

› Built and customized Algopulse.org using custom CSS and Javascript alongside wix templates, optimizing SEO ranking for keywords in the fintech industry.

› Designed a systematic automated marketing funnel to optimize the onboarding experience. This raised long term retention rates (new customers who pay four months or more) by a factor of 2.

› Coordinated a team of designers, marketers, and sales persons to deliver a cohesive message and brand, resulting in 12 users in the first six months since launch.

› Continue developmental research in quantitative finance, including statistical time series analysis, and machine learning for predictive feedback. Specifically interested in the ARIMA and GARCH models; utilizing the Fourier Transform to smooth noise within data and forcast wavelets of complex patterns within price.

Information Technology Solutions
August 2021 – Present | Junior Full Stack Developer / Technical Support Engineer

› Developed a multi-platform telehealth application using Dart, C#, Typescript and Javascript with a Postgres GraphQL and Hasura backend. Integrated with Microsoft Teams for video and voice calling using the bookings API, alongside Twilio API for email and text message updates to users and physicians. I used custom Mapbox integrations in order to directly link remote physicians with patient's pharmacies. Deployed in Google Play Store, Apple App Store, and web using Docker and Azure App Services.

› Provided customer support ranging from OS troubleshooting (MacOS, Linux, Windows, IOS, and Android), ADDC management, Cisco and Unifi router configuration, vpn initialization and troubleshooting, access management, varied database configuration and migration including Sqlite, Postresql, SqlServer and Oracle Standard, third party software troubleshooting, client relations, and production server builds.

› Constructed, maintained and configured both cloud and on-prem production server environments using CI/CD practices. Used Python, TerraformCDK, and Microsoft Azure resources to create cloud VM's.

› Built internal tools for customers using "low code" environments such as Microsoft Powerapps.

› Created custom scripts to optimize workflows for repetitive tasks such as group policy configuration and sign on scripts using Powershell, saving 100 + hours of company time since inception.

› Designed and modernized several client websites using custom CSS and Javascript with Wordpress and Wix, optimizing for SEO increasing traffic by 200% to our customers.

JoshuaAHughes12@gmail.com ↗
(+1) 970 778 8405 ↗
AlgoPulse.org ↗
References available upon request ↗