

Brandon Sneider

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Work experience

Sr. Software Engineer Dimensional Fund Advisors

📅 01/2020 – present 📍 AUSTIN, TX

- Lead IDS Developer for revenue generating SMA project using Python, Mongo, Docker, Airflow, Linux stack
- Improve performance of co-workers through leadership and mentorship, leading cross training on new technologies and best practices
- Enhanced accuracy and timeliness of trading metrics. Architected, and rapidly deployed 4 mission critical portfolio management Web API(s) using ASP.Net Core, MS SQL, Kibana, Grafana, Hangfire, Dapper, xUnit.net, Moq, FluentAssertions, and Swagger - OpenAPI
- Evaluated, recommended, and selected hardware and software solutions to save \$300,000 over existing toolset using ELK Stack, Linux, Kafka, Airflow, Docker, Postgres
- DevOps: Built CI/CD pipeline for Angular Microfrontend and API shipping code to production in under 10 minutes
- Automated deployment of 6 Kafka clusters, effecting real-time investment data streaming, using RHEL 7, Ansible, Putty, ELK Stack
- Reviewed and updated SDLC (Software Development Lifecycle) diagrams and best practices

Software Engineer - Portfolio Technology Dimensional Fund Advisors

📅 08/2016 – 12/2019 📍 AUSTIN, TX

- Developed trade-to-target order generation algorithm, using .Net framework, MVC, JavaScript for UI, MongoDB used for \$100,000,000 in AUM
- Led team of 6 in development of DailyIndex product (distributed system) using RabbitMQ for messaging, MongoDB, .Net Framework, Scrum board, NServiceBus, JavaScript, Bootstrap
- Rapidly iterated and deployed distributed DailyIndex product using CI/CD, Teamcity, Powershell, TDD saving \$1,200,000 in reduced licensing and time to market
- Engineered robust order generation simulation back testing framework, using Python, Pandas, PyInstaller enabling reverse engineering of black box, through thousands of iterations

Technology & Finance Co-op IBM

📅 01/2015 – 06/2015 📍 SOMERS, NY

- Migrated SQL database form Hyperion Essbase to Cognos TM1, producing granular LOB analytics
- Conducted exploratory data analysis, and forecast growth among Global LOBs using SQL, and VBA

Skills

Languages: Dart, C#, Python, SQL, Powershell

Frameworks: Flutter, ASP.NET Core, .Net Framework (ASP.NET), Agile Development, Scrum, Kanban

Databases: DynamoDB, DynamoDB Geospatial, Microsoft SQL (SQL Server), MongoDB (NoSQL), PostgreSQL, HiveDB

Tools: Ansible, Github Actions, Kibana, Grafana, Filebeat, Hangfire, Kafka, Airflow, Teamcity, Jira, Confluence, Serilog, Pandas, NServiceBus, Docker Container, RabbitMQ, MSMQ, Elasticsearch, NUnit, LINQ, Razor, JSON, XML, SQL Server Management Studio, JQuery, xUnit.net, Moq, FluentAssertions, Swashbuckle (Swagger), NSwag, SQL, Fastlane, Lambda, API Gateway, CloudFront CDN, S3

Design Patterns: Service Oriented Architecture (SOA), Micro Services, Domain Driven Design (DDD), Mediator, Wrap and Adapt (Adapter), Facade, Micro Frontend, MVC

Cloud Platforms: Firebase, AWS (Amazon Web Services - Solutions Architect Associate Certification)

Skills

Version Control: Git, Github, Stash/BitBucket

IDEs: VSCode, Visual Studio, Android Studio, Xcode, Cloud9

Operating Systems: Windows, Mac OS, RHEL, CentOS, iOS, Android

Projects

Founder and Lead Engineer

CovidTestLocator

📅 12/2019 – present 📍 AUSTIN, TX

- Built and deployed Flutter Web App, which helps users in USA locate COVID testing locations
- Building CICD build + deployment pipeline using Github Actions, Firebase, GCP, and Fastlane
- Static website with Firebase hosting: <https://covidtestlocator.web.app/#/>
- iOS and Android versions are pending App Store submission, given strict regulations regarding anything related to the pandemic

Founder and Chief Developer

UltiApp

📅 2019 – present 📍 AUSTIN, TX

- Built and deployed Multiplatform (iOS, Android, Web) app for the global Ultimate Frisbee Community.
- Architected and implemented serverless Geospatial DynamoDB backend with an API Gateway and Lambda's, IAAC using Ansible.
- Firebase Auth, Google Analytics, Location integrations, Custom user profiles with Cloud Firestore
- Static Website with CloudFront CDN and S3: <https://ultiapp.brandonsneider.com/#login>
- Google Play Store: <https://sneider.page.link/android>
- iOS App Store: <https://sneider.page.link/iOS>

Achievements

- Recommended for \$500 spot award for exceptional effort and results above and beyond
- Published Android app for a global sports community to the Google Play Store <https://sneider.page.link/android> using Firebase, Flutter, Dart
- Published iOS app for a global sports community to the App Store <https://sneider.page.link/iOS>

Education

Bachelor of Arts in Economics

University of Massachusetts

📅 2016 📍 AMHERST, MA

- Commonwealth Honors College Scholar with Greatest Distinction & Summa Cum Laude

Bachelor of Business Administration in Finance

Isenberg School of Management

📅 2016 📍 AMHERST, MA

- Taught Financial Modeling lab as Senior Teaching Assistant
- Co-authored paper on Equity Derivative Strategies

Volunteering

Captain

Ultimate Team

📅 2016 – present 📍 AUSTIN, TX

- Captained and coordinated teams of 15-30 to 1 international and 7 domestic tournaments
- Mobilized weekly pickup games at local parks for 10-20 participators