

# Brandon Sneider

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## Work experience

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### **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

## Education

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### **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

## Skills

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

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

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

**Tools:** Ansible, 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

**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 - In Progress)

**Version Control:** Git, Github, Stash/BitBucket

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

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

## Achievements



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- 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>

## Volunteering

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### 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