

Nicholas Brunston

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WORK EXPERIENCE

AllianceBernstein

Nashville, TN

Software Developer / A.O. (Associate Officer)

Feb 2022 - Present

- Designed and developed fintech web applications for portfolio management, streamlining the buying and selling of bonds for traders managing over **20,000** private client portfolios
- Built and enhanced robust internal APIs responsible for the creation, management, and execution of **5,000+** daily orders using C#/.NET, reducing software licensing and maintenance costs by over **80%**
- Developed responsive UIs using Angular and SignalR, improving overall performance for users and providing a smooth and intuitive experience
- Created and maintained CI/CD build and release pipelines via Azure DevOps
- Collaborated with cross-functional teams to align technical solutions with business objectives, delivering continuous enhancements in an agile development environment
- Leveraged parallel processing techniques to improve the performance of critical intraday processes, achieving a **75%** reduction in processing time
- Led and mentored junior developers through AllianceBernstein's TOP program, fostering skill development and professional growth

Software Developer

Oct 2019 – Feb 2022

- Optimized portfolio opening and cashflow management workflows by implementing fully automated services, reducing reliance on manual efforts and improving operational efficiency
- Developed microservices to manage state persistence across distributed systems, automating data synchronization for **3,000+** daily transactions and reducing manual intervention by over **90%**
- Built and maintained an internal rule engine and allocation algorithm that assessed compliance and determined buying limits for portfolios

EDUCATION

University of Central Florida

August, 2019

B.S. in Physics, Minors in Math and Computer Science

Orlando, FL

- Graduated with honors from UCF Burnett Honors College
- Assisted in lab research utilizing Python to plot/analyze satellite images

SKILLS

- **Architecture:** REST APIs, Object-Oriented Programming, Microservices, Cloud-Native development, SignalR
- **Platforms:** Visual Studio, Google Cloud, Azure DevOps, Docker, Git, Linux, SQL Server, ASP.NET Core
- **Languages:** C#, JavaScript, Typescript (Angular, React), Java, Python, SQL (MS SQL, Oracle), HTML, CSS
- **Tools:** Postman, RabbitMQ, Swagger, CI/CD Pipelines, Serilog, MediatR, Akka framework

PROJECTS

License to Plate

www.PlateZonePlateOff.com

- Personal project – a website which hosts a voting system for custom license plates
- Utilizes React for the front-end, Node.js for the backend, Firestore for vote data storage, and is hosted via Firebase