

# Kory Fitzgerald

Full-Stack Software Engineer

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As an enthusiastic and innovative equity trader-turned-full-stack software engineer, I am passionate about building back-end solutions and bring prodigious problem-solving capability, a remarkable work ethic, and exceptional drive.

## SKILLS

- **Languages & Frameworks:** JavaScript (fluent), Ruby (fluent), Rails (proficient), Python (proficient), Django (fluent), React.js (fluent), Express.js (fluent), Node.js (fluent), JQuery (proficient), HTML (fluent), and CSS (fluent), Mongoose.js (proficient)
- **Databases:** MongoDB (expert), PostgreSQL (proficient)
- **Tools:** JWT Authentication (expert), OAuth (expert), AWS (proficient), Microsoft Azure (proficient), Docker (expert), MongoDBCompass (expert), Sequelize (proficient), Git (expert), Command Line (expert)

## PROJECTS

- Yikyak: Back-End MEN-Stack Application [GitHub Repository](#) | [Deployed Link](#)
- StyleSwipe: Back-End and Front-End MERN-Stack Application [GitHub Repository](#) | [Deployed Link](#)
- PuppyCollector: Back-End PERN-Stack Django Application [GitHub Repository](#) | [Deployed Link](#)
- ChristmasShip: Built with JavaScript, HTML, and CSS [GitHub Repository](#) | [Deployed Link](#)

## EDUCATION

**Software Engineering Immersive | General Assembly** | New York, NY | March 2023 – June 2023

- Completed 420+ hours of training in full-stack web development and hands-on learning of coding fundamentals using the industry's most in-demand technologies, such as JavaScript, Python, MongoDB, Express.js, React.js, and Node.js.

**Software Engineering Immersive | App Academy** | New York, NY | July 2022 – October 2022

- Gained hands-on experience in full-stack development, agile methodologies, and relevant industry technologies such as Javascript, Ruby, PostgreSQL, Rails, HTML, and CSS.

**University of Pennsylvania** | College of Arts and Sciences | BA, Economics | Philadelphia, PA | 2015 - 2019

- Developed a program to automate trading cryptocurrencies based on inefficiencies between exchanges.
- Relevant Coursework: Calculus I & Calculus II, Econometrics, Statistics for Economics
- Activities: Division I Track & Field, Sigma Chi Fraternity Treasurer

## PROFESSIONAL EXPERIENCE

**Equity Trader | Trillium Trading** | New York, NY | September 2019 – May 2022

- Enhanced trading algorithms by building a Python-based website scraper, leading to more profitable trading.
- Increased equity book value from \$200,000 to \$1,000,000 by consistent outstanding trading performance.

**Analyst | Royal Bank of Canada** | New York, NY | June 2018 – Aug 2018

- Developed a program using Visual Basic for Applications to filter, sort, and distribute client data efficiently.
- Created a robust model to estimate High-Yield Bonds' volatility by utilizing Visual Basic for Applications.