djp460@nyu.edu
(+1) 321-356-5260

Devon Powell
https://devon.is-a.dev/

https://github.com/D-Pow
https://linkedin.com/in/devon-powell/

Skills

Languages (ranked 5 > 1)

JavaScript (5), Java (4), HTML (3), CSS (3), Python (3), SQL (2), PHP (1), LaTeX (1).

Technical Skills

Git, React, MobX, Spring Boot, Regex, Webpack, Bash, Bootstrap, Jest, Gradle, JUnit, Maven, SQLite, Oracle DB, Linux, Agile (Scrum), BitBucket, Jira, CI/CD (Jenkins, Travis), GitHub, Heroku, Docker, Google Cloud, Automation Testing.

Employment

E-Trade Full-Stack Software Engineer - Senior Analyst (JavaScript, Java, Python)   (July 2018 – Present)

- **Mediated company-wide network issues** in personal time via MockRequests (see Open-source below).
  - **Eliminated largest front-end blocker** in the company: server rolls occurring twice per week that disable all API endpoints.
  - Improved developer productivity by 40%.
- Developed a dashboard for analyzing internal systems before markets open (July – Dec 2018).
  - **Designed and spearheaded a novel Python architecture** to enhance data flow/maintainability, and reduce technical debt.
- Building 2 platforms for creating investment plans (first year netted **$2.5 million, +37% purchases, +15% new customers**).
  - **Boosted client performance by 50%** through restructuring React/MobX global state management.
  - **Enhanced server scalability** by optimizing data aggregation logic and introducing multithreading.
  - Leveraged design pattern acumen to simplify client-server-DB communication by restructuring Spring DAOs, DTOs, & data flow.
- Foster a culture of learning and growth in the organization's developer community.
  - **Primary mentor for onboarding all new hires**, including sessions for teaching git, libraries, and the development stack.
  - **Optimize team productivity** by engineering scripts for automating tasks, including Jira ticket autocompletion in git, using local text editors/IDEs to code on remote servers, remote file exchanges, cookie extraction/refresh during development, etc.
  - **Inspire deeper collaboration** across various Slack channels, leading to improvements in coding practices.

E-Trade Internship (Java/Android) <play.google.com/store/apps/details?id=com.etrade.mobilepro.activity>   (June – Aug. 2017)

- Pioneered the company's first Android Edge panel widget that displayed a user's watch lists and respective stock data.
- Orchestrated the state management, authentication, and caching systems; Coordinated UI/UX design and testing (JUnit).
- Facilitated a seamless hand-off of MVP to maintainers by writing extensive documentation and applying good source control practices.

Open-source

MockRequests (JavaScript) <https://www.npmjs.com/package/mock-requests>   (Sept. 2019)

- Highly user-friendly JavaScript network-mocking library, with features **most other solutions don't provide**.
- Provides a simple, one-stop-shop configuration, with **no need to change source code** or run local servers.
- Features: dynamic mocks based on payload/query parameters, response delays, and cross-browser functionality.

Projects

Anime Atsume (Java, JavaScript) <https://github.com/D-Pow/anime-atsume>   (June – July 2020)

- Unique anime search engine providing the **quickest possible path** from searching titles to watching episodes, unlike most other sites.
- Full-stack: **SPA React** front-end, **Spring Boot** back-end, **Docker** container, **Heroku** host.

Research – Atoms of Confusion (C, PHP, HTML/CSS) <www.atomsofconfusion.com>   (Aug. 2016 – May 2018)

- Determined code patterns that are objectively confusing, with implications for improving design principles and specifications.

Education

NYU Tandon School of Engineering – GPA: 3.8/4.0   **New College of Florida, the State's Honors College**

Master of Science in Computer Science (May 2018) Brooklyn, NY   Bachelor of Arts in Chemistry (May 2016) Sarasota, FL

Additional Relevant Activities

Eagle Scout (2011): Highest rank, top 2% of all Boy Scouts.   **NYU Healthcare Hackathon Winner** (Nov. 2016).

Cyber Security Club (Sept. 2016 – May 2017).   **Japanese** (2019 – Present): Approaching N5 fluency.