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Devon Powell

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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, 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 (JavaScript, Java, Python)   (July 2018 – Present)

- **Mediated company-wide network issues** in personal time via MockRequests (see Open-source below).
  - **Removed largest front-end blocker** in the company: server rolls occurring twice per week that disable all API endpoints.
  - Used across many teams and projects; **improved developer productivity by 40%**.
  - Allowed any data-driven JavaScript development to continue unfazed regardless of environment conditions.
- Built a pre-market dashboard for analyzing internal systems/servers before markets open (July – Dec 2018) – Python/jQuery.
  - Proposed **new architectural direction** to enhance data flow, improve readability, and reduce technical debt.
  - **Took ownership** of architecture design, implementation, and successful production rollout.
- Build 2 platforms for creating mutual fund investment plans – React SPA/MobX/MVVM/Spring/Oracle DB.
  - "Prebuilt Portfolios" that brought in **$2.5 million in its first year** of release.
  - "Automatic Investing" that resulted in a **37% growth** of mutual fund purchases and **15% growth** in new customers.
  - **Improved client performance by 50%** through restructuring state management and render logic.
  - Refactored legacy React components to be highly reusable, customizable, and specific to individual use cases.
  - Enhanced server endpoints by updating data aggregation logic, simplifying client-server communications.
- **Foster a culture of learning and growth** in the organization's developer community.
  - **Primary mentor for onboarding all new hires**, including meetings for teaching git, libraries, and development stack.
  - **Optimize team productivity** by writing/sharing scripts for automating tasks, including allowing use of local IDEs to code on remote servers, remote file exchanges, Jira ticket autocompletion in git, 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)

- Developed a panel widget for Edge devices that displayed a user's watch lists, each containing its own set of stocks.
- Involved UI/UX design, authentication, state management, caching, and testing (JUnit).
- **Took responsibility for a seamless hand-off** 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)

- 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.
- **Cyber Security Club** (Sept. 2016 – May 2017).
- **NYU Healthcare Hackathon Winner** (Nov. 2016).
- **Japanese** (2019 – Present): Approaching N5 fluency.