Simon DeBevoise

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Technical Skills

Python, TypeScript, React, Express, Node.js, Ruby (on Rails), Flask, Kafka, Redis, Docker, Git, Webpack, SQL, NoSQL

Experience

Software Engineer | Bloomberg LP, Resilience Engineering | July 2020 - July 2022
- Delivered an entirely redesigned chaos engineering web app with a focus on user accessibility and ease of adoption. Developers across Bloomberg's ecosystem use this platform to track their team's chaos activity, run experiments at all stages of the deployment lifecycle, and assess impact with integrated data reports and anomaly detection.
- Extended the safety end of Resilience Engineering's toolkit, implementing three monitors to track abnormalities in HTTP endpoints, Humio logs, and alarm streams and shut off chaos tests before unnecessary damage.
- Developed a load generation operation to stress services with middleware traffic (HTTP, Kafka, BAS). Integrated Bloomberg tooling to provide authentication and support common developer workflows.
- Asserted myself as a dependable code reviewer and broadened my team's impact in the larger Bloomberg community, presenting new features at company talks and onboarding teams to use our service.

Tech Lead | The Giving Grape | March 2020 - June 2020
- Architected and founded a team to build a charity platform that distributed $45,000 in groceries to over 1,000 families in need at the height of the Covid-19 pandemic.
- Built a Ruby on Rails API with token-based authentication from the ground up and ensured backend data compliance with the site's legal requirements.
- Oversaw Git workflow across our team with frequent code reviews and brought in a penetration tester to ensure the site was secure and ready to launch.

Assistant Server | The NoMad Restaurant | September 2018 - August 2019
- Managed a section of 40+ diners per evening at high volume, Michelin-starred restaurant and coordinated with the kitchen and server teams to guarantee stunning service with an emphasis on hospitality.

Projects

Tilda | Ruby on Rails, React / Redux, JavaScript, AWS S3, HTML5, CSS3, Webpack   [live site](#) | [github](#)
Fully functional and near pixel-perfect clone of Spotify, a popular music streaming app.
- Structured a flexible Rails backend with AWS S3 storage and 'Likeable' polymorphic associations that connect listeners to their favorite songs, playlists, albums, and artists.
- Implemented Redux state management to organize data needed to play audio and curate user content.

Splat | Team lead | MongoDB, Express.js, React / Redux, Node.js, Tone.js, JavaScript, Webpack   [live site](#) | [github](#)
Intuitive audio sampler and sequencer with sonic themes and user controls.
- Managed a team of four engineers working on the MERN stack to build out a web-based drum sampler in one week.

Spellcaster | Vanilla JavaScript, HTML5, CSS3, Webpack   [live site](#) | [github](#)
Interactive text canvas where users 'cast spells' by typing.
- Designed an animated grid display to parse player commands into colorful, moving Spells using DOM manipulation.
- Constructed three different input modes that route keystrokes to sub-features including TypeTest, a 60-second typing speed race, and Snakecaster, an integrated version of snake.

Education

App Academy | September 2019 - January 2020 | New York, NY
Intensive software development bootcamp with focus on full stack web development and programming best-practices.

Bard College | 2014 - 2018 | Annandale-on-Hudson, NY
BA in Anthropology and Music with 3.93 GPA. Highlights include Data Structures in Java, Linear Algebra, and Electronics.
Senior project: [Musical Infrastructures and Techniques of Survival in Dakar](#).