

# DANIEL BRADLEY

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## SKILLS

AWS (ECS, S3), Bamboo, Bitbucket, Blueprint, Bootstrap, Copilot, CSS, Docker, Elasticsearch, Excel, Express.js, Flask, Freemarker (FTL), Git, GitHub Actions, GraphQL, gRPC, Heroku, HTML, IntelliJ, Java, Jenkins, jQuery, Kubernetes, MaterialUI, MATLAB, Minitab, MongoDB, Node.js, NumPy, Pandas, PostgreSQL, Python (Pandas, NumPy, SQLAlchemy, Flask, Sklearn, Matplotlib), RStudio, React, React Native, Redux, REST API Development, Ruby on Rails, Sidekiq, Sklearn, SQL, SQLAlchemy, Tableau, Typescript, VBA.

## EXPERIENCE

### Software Engineer

*Citadel*, Feb 2023 - Present

- **Feature Development:** Delivered scalable, business-critical enhancements by expanding the Ruby on Rails codebase, crafting modular features to address high-priority stakeholder needs.
- **API Expansion:** Engineered and deployed gRPC endpoints in Java, streamlining inter-service communication and optimizing system interoperability.
- **Continuous Improvement:** Transitioned legacy .erb templates to .ftl, migrated Sidekiq jobs to Java batch processes, and modernized libraries to drive code maintainability and scalability.
- **Seamless Migrations:** Contributed to the phased migration of the backend from Ruby on Rails to Java, ensuring operational continuity and aligning with long-term system goals.
- **Data Integrity:** Implemented custom scripts to cleanse and repair corrupted datasets, enhancing overall data accuracy and reliability across services.
- **Release Management:** Spearheaded bi-weekly release processes, expanded test coverage, and orchestrated end-to-end manual validations to guarantee smooth deployments.
- **Workflow Modernization:** Overhauled CI/CD pipelines by transitioning from Bamboo to GitHub Actions, optimizing Jenkins jobs, and migrating repositories to GitHub for improved developer efficiency.

**Tech Stack:** Ruby on Rails, Java, React, Typescript, PostgreSQL, Jenkins, Docker, Kubernetes, GCP, AWS.

### Full-Stack Developer

*King Willy*, 2022

- Enhanced app functionality: resolved bugs and optimized performance.
- Designed and built feature-rich applications for web and mobile.
- Collaboratively steered new application development from conception to deployment.
- Constructed dynamic, responsive web pages; managed state via GraphQL.

**Tech Stack:** React Native, React, Node.js, Apollo, GraphQL, PostgreSQL, AWS, Nextjs, Bootstrap, Atom, Expo

## PROJECTS

### EcoPool (React, Redux, Javascript, MongoDB, Node.js, Express.js, Heroku, HTML, CSS) (2021)

[Github](#)

*EcoPool is an original MERN stack single-page app where users make events, chat with groups, or optimize travel and destinations.*

- Implemented Mapbox Geolocation and Matrix API for geocoding events/users and optimizing routes, respectively.
- Built a unique visual experience where users can see geolocations and chat with friends.
- Coordinated Github's version control system to break up features and effectively collaborate with three other colleagues as modular units while switching between frontend and backend.
- Incorporated Validator.js to validate controller inputs before saving in MongoDB to filter malformed data.

### Node Dominance( Vanilla Javascript, HTML, CSS3, Webpack, paper.js) (2021)

[Github](#)

*This two-player puzzle game is a single-page app using vanilla Javascript.*

- Created HTML Canvas with paper.js to dynamically render graphics that can connect with free-drawn lines.
- Leveraged Javascript's asynchronicity to introduce collision detection with event handlers and listeners.
- Established CSS3 Flexbox for custom layouts for any screen size.

## EDUCATION

**App Academy, Winter 2021:** 560-hr Full Stack Web Development Immersive

**Columbia U, Summer 2020:** Data Analytics (Focus: Data Harnessing & Visualization)

**Tufts U, Spring 2019:** M.S. Chemical Engineering

**Graceland U:** B.S. Chemistry & Biology Pre-Professional

## AWARDS & CERTIFICATIONS

**Lean Six Sigma Black Belt**, Tufts U Gordon Institute, Spring 2018

**Eagle Scout**, Boy Scouts of America