

DAVID RAMEAU

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ABOUT

David is a full-stack software engineer of 5 years, with dev experience in front/backend, cloud, and data-- including **TypeScript, Next.js, Node.js, Python, Postgres SQL, AWS, and Snowflake**. His work spans from developing extensible web solutions, to creating internal dev tools, to architecting innovative analytics solutions. He's also a leader in workplace social initiatives, demonstrating a blend of innovation, technical skill, and community engagement.

EDUCATION

New York University, 2018

Bachelor of Arts: Mathematics

Minor: Computer Science

Apollo GraphQL Certified Developer, Associate

Databrick Generative AI Fundamentals

Snowflake SnowPro Core Certified

WORK EXPERIENCE

Senior Software Engineer • Capital One | June 2024 - Present

- Distributed Systems

Software Engineer • Slalom Consulting • Industries: Government/Private Sector, Tech, Finance, Retail | July 2021 - May 2024

- Sr Software Engineer on a team that developed **6 frontend web applications** and **react/MUI based design system and component library** for subsidiaries of a regional auto conglomerate. Sites were built in react (**gatsby.js/next.js**), **TypeScript**, and **Contentful CMS (GraphQL)**. Mocking, prototyping, and documentation in **storybook.js, Figma**, and **Confluence**. Responsible for **branch management, mentoring associate engineers, and code review**.
- Software Engineer on an **AI-powered SaaS webapp**, built in react (**TypeScript**), **Express**, and **Microsoft Azure**. Segmented and developed **base components for MUI Frontend redesign**. Architected and implemented foundational updates to the **express API**, which increased the consistency of responses from **Azure openAI's Large Language Model** by over 20%.
- Software Engineer orchestrating site-wide migration to **Contentful CMS** of a react (**Next.js**) frontend hosted on **AWS** at auto-repair company. Created new features and user flows, resolved critical production-level defects, and optimized site performance according to **core web vitals** metrics. Resolved issues in **node.js** middleware. Notably, our efforts, improved performance to industry standards, and doubled lead generation from baseline for over 300 of the client's franchisees.
- Frontend developer-- utilized **i18next** to localize four **SaaS web applications** for AI-based crisis monitoring startup. We used **react (Next.js)**, **Backbone.js**, and **TypeScript**. Over our engagement, we fully localized this startup's web applications for Spanish, French, and German users.
- Developed a **distributed machine learning model generator** and **CI/CD pipeline** for hospitality client's revenue management team. Utilized **spark and mlflow** to improve model creation time by 60%-150% compared to prior tools. Generator trains and chooses the best-fit model from algorithms (decision tree, xgboost, lightGBM, etc) for >10,000k merchandise units. Created a CI/CD pipeline to standardize unit and integration testing, performance monitoring, code standards, and deployment for a client analytics team's github repository. Used **python, scikit, pyspark, bashscript, azure, git**, and **github actions**.
- Built **bash** CLI tool and **react component library** that uses the Coalition for Content Provenance and Authenticity's (C2PA) **rust** SDK to authenticate media displayed on websites across the internet.
- 2022 lead of Slalom's Black and African American ERG; 2022 /dev/color A* Facilitator

Associate Software Engineer • Slalom Consulting • Industries: Private Sector Finance, Retail | 2019 - July 2021

- Frontend engineer-- architected and build a lightweight **webapp** to automate regression, functional, and unit tests for critical analytics reports in **JavaScript, HTML, and CSS**. This tool dramatically reduced (>50%) time spent testing and reviewing dashboards. Notably, it enabled the client to perform and validate several server migrations of hundreds of dashboards in record time. Also, created 20+ analytics dashboards for public sector client in the financial services industry.
- Built an ETL pipeline using **AWS cloud microservice architecture** for a prospective short-term engagement. CloudWatch triggers Lambda step functions to pull data from a web API into S3 bucket, where data is processed by Spark cluster on EC2
- Provided **engineering** and **MSSQL Server admin** support to the reporting team of a high-profile public sector client.

NOTABLE SOLO PROJECTS

Bed-Stuy Clothes Swap Website | Github: [dr1793/bcss_template_site](https://github.com/dr1793/bcss_template_site) | Production Site: bedstuyclotheswap.com

Freelance Next 13 site build with tailwind CSS uses Server-side rendering and templated static site generation hosted on Vercel. Backend in python (flask), hosted on Digital Ocean.

WebApp Report Regression Tester | Github Demo: [dr1793/tableau](https://github.com/dr1793/tableau) | Live Demo: radeleau.dev/tableau

Delivered and maintained a live web application that uses JavaScript to manipulate and test on reports published to Tableau Server. This webapp leverages the Tableau Server JavaScript API to detect differences in data, objects, and filtering. Written in JavaScript, HTML, and CSS.

TECHNICAL SKILLS

Dev: JavaScript (express, node) | TypeScript (react, gatsby, next, webpack, turbo, redux, jest) | Contentful CMS | Python (Flask, Django) | Java (Spring, selenium) | rust | AWS (Bedrock Gen AI) | postman
Data: GraphQL | MySQL, PostgreSQL, SQLite, SSMS | DynamoDB | Databricks | Snowflake | Tableau
Misc: Agile | Scrum | JIRA | Test Driven Development, BDD | Digital Ocean | bash | vimscript

LANGUAGES

English
French