DAVID RAMEAU
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ABOUT

David is a software engineering consultant of 5 years, with dev experience in front/back-end, cloud, and data-- including TypeScript, Next.js, Node.js, Python, Databricks, Snowflake, and AWS. His work spans developing reusable web solutions, to creating a plethora of 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 SnoPro Core Certified

WORK EXPERIENCE

Software Engineer • Slalom Consulting • Industries: (Retail, Automotive, Tech, Finance, Private Sector) | *July 2021 - Present*

- 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.**
- 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. Notably, researched, architected, and implemented 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 web applications for data-intensive AI-based international crisis monitoring SaaS applications written in 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 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: (Retail, Private Sector) | *2019 - July 2021*

- Frontend engineer-- architected and build a lightweight **webapp** to automate regr ession, 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.
- Provided **data engineering** and **MSSQL Server admin** support to the reporting team of a high-profile public sector client:
  ◦ Wrote Python scripts to facilitate reporting process. Scripts include the **Reporting to git Pipeline.** Also, a Tableau/SSRS PDF Mass Downloader and Merge Service, which used multi-threading and Selenium to generate, download, and merge large numbers of pdfs concurrently.
  ◦ **Documented,** troubleshot, and wrote SQL Server stored procedures and views. Architected and implemented the normalization and star schema for selected databases. Improved dashboard query time by over 50%.
- Built a demo ETL pipeline in **AWS** for a prospective short-term engagement. CloudWatch triggers Lambda functions to pull data from a web API into S3 bucket, where data is processed by Spark cluster on EC2.

NOTABLE SOLO PROJECTS

Bed-Stuy Clothes Swap Website | Github: dr1793/bscs_template_site | Production Site: bedstuyclothesswap.com:
Freelance Next 13 site build with tailwind CSS uses Server-side rendering and tempated ststic site generation hosted on vercel. Backend in python (flask), hosted on Digital Ocean.

WebApp Report Regression Tester | Github Demo: 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| GraphQL| Python (Flask, Django)| AWS (Bedrock Gen AI)| postman | rust | Java (Spring, selenium)
Data: MySQL, PostgreSQL, SQLite | DynamoDB | Databricks | Snowflake | SSMS | Tableau | Alteryx
Misc: Agile | Scrum | JIRA | Test Driven Development, BDD| DigitalOcean | bash | vimscript

LANGUAGES

English
French