CAMERON DECOSTER

SOFTWARE ENGINEER

Seasoned engineer with over 16 years of experience and fullstack expertise in JavaScript, React, Vue, and Node. Proven track record in problem solving, project management, and leadership. Strong background in data analysis. Committed to delivering top-notch solutions.

WORK EXPERIENCE

Observable, San Francisco, California
Data visualization startup building browser-based computational notebook platform

Software Developer   2022 - 2023
- Implemented file attachment storage using private AWS S3 buckets
- Converted search to Elasticsearch, improving search speeds by up to 50%
- Added OpenAI based coding copilot with external knowledge sources (using retrieval augmented generation)
- Updated fundamental notebook editing interface, decreasing time-to-first-visualization to less than a minute
- Automated deployment of containerized applications to Azure, Heroku, using custom GitHub Actions
- Migrated marketing pages to headless CMS, eliminating the need for PRs to make copy changes
- Created unit and integration tests using Playwright, Cypress, Mocha, and Jest

S&P Global, Boulder, Colorado
Leading provider of SaaS-based market data and investment analysis tools

Software Engineer   2020 - 2022
- Built interactive JavaScript/HTML Canvas charting library and .NET based on-demand chart image application used by multiple Fortune 500 companies
- Created interactive playground for prototyping chart configurations, allowing teams to build a chart in minutes
- Developed sites to demonstrate capabilities of charting libraries using frontend frameworks, including Vue, React, and jQuery
- Built custom CI/CD pipelines using Jenkins
- Created performant library bundles using Rollup
- Expanded automated testing coverage, using Jest
- Interfaced with internal and external customers to provide technical support

Zachry Engineering, Denver, Colorado
Full-service engineering for multi-billion dollar industrial facilities

Mechanical Engineer   2011 - 2020
- Developed Visual Basic pneumatic testing exclusion zone calculator which reduced calculation time by 40%
- Served as Lead Mechanical Engineer on power plant project proposals
- Supervised generation of all equipment specifications and mechanical design drawings
- Certified piping designs for stress and wall-thickness calculations as Professional Engineer

Ball, Broomfield, Colorado
Industrial manufacturing of PET and HDPE beverage containers

Design Engineer   2007 - 2010
- Designed beverage containers to customer specifications using SolidWorks
- Created custom SolidWorks add-ins using Visual Basic and C# to automate capacity calculations, reducing overall calculation time by 30%

CONTACT

- Denver, Colorado
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- 720-260-4545

TECHNICAL SKILLS

Frontend
- JavaScript/TypeScript
- React
- Vue
- Redux
- HTML
- CSS/SCSS
- Plot/D3
- Canvas
- SVG
- jQuery

Backend
- Node
- Next
- Express
- RESTful APIs
- SQL/NoSQL
- Python
- Ruby/Rails
- C#/.NET

Systems
- Unix/Linux
- Git
- Docker
- GitHub Actions
- Jenkins
- Heroku
- AWS
- Azure
- Jira
- Subversion

EDUCATION

Colorado State University
Bachelor of Science
Mechanical Engineering
2002 - 2006