

# Nicholas Fallon

Data Analyst | Analytics Engineer

SQL • Python • PostgreSQL • Data Visualization • AWS

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San Francisco, CA

## EDUCATION

**Bachelor of Arts, Quantitative Economics, Minor in Mathematics**

Boulder, CO | May 2015

UNIVERSITY OF COLORADO BOULDER

**Coursework:** Econometrics, Advanced Microeconomics & Macroeconomics, Data Analysis & Visualization, Mathematics for Economics (Linear Algebra, Calculus, Probability)

## PROFESSIONAL EXPERIENCE

**Solomon Page / Cigna** | SOFTWARE ENGINEER

Remote | Jul 2022 - Dec 2023

- Architected automated reporting systems to deliver healthcare utilization metrics to enterprise clients and government agencies using **AWS Lambda, S3, SQS, DynamoDB**, and **EC2**
- Delivered analytics and reporting solutions used by enterprise clients and government agencies to monitor healthcare utilization trends
- Built a user engagement analytics dashboard using **PostgreSQL**, enabling tracking and analyzing user interaction trends
- Developed interactive dashboards with **JavaScript, Angular**, and **FusionCharts** for visualizing insurance utilization trends
- Performed exploratory data analysis and data cleaning using **SQL** and **Python** to support healthcare analytics and dashboard development
- Wrote complex **SQL** queries to extract, transform, and analyze structured data for reporting and visualization
- Ensured maximum application stability and reliability through unit testing with **TestBed/Jest** and E2E testing with **Cypress**

**DaVita Kidney Care** | APPLICATIONS DEVELOPER

Denver, CO | Jun 2018 – Jul 2022

- Developed features for a HIPAA-compliant electronic health record system, supporting healthcare data tracking and visualization using **TypeScript** and **Angular**
- Designed and implemented a dashboard to chart aggregate patient health data, allowing physicians to track the health of their entire patient population over time
- Collaborated with cross-functional teams to translate complex data requirements into technical specifications, bridging software engineering and data analysis
- Collaborated with Product and UX design teams to align **CSS** and **Bootstrap** implementations with exact specifications, ensuring flawless integration of design elements
- Implemented and maintained **Cypress** for E2E testing, including fixtures and HTTP interceptions
- Implemented **Pendo** for tracking user engagement
- Led the hiring effort to fill 3 open developer positions

## SKILLS

**Data Analysis & Quantitative Skills:** SQL, PostgreSQL, Python, Data Visualization, AWS Data Services (Lambda, S3, DynamoDB), Linear Regression, Predictive Modeling, Hypothesis Testing, JavaScript, TypeScript, JavaScript Charting Libraries (FusionCharts, etc.)

**Technical Skills in Software Development:** Node.js, AWS (Lambda, EC2, S3, SQS, DynamoDB), Docker, Terraform, Angular, RxJS, React, HTML5, CSS, Sass, Tailwind, Jest, Cypress, Git