

# ZACHARY CHAMPION

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I'm a user-first developer with a passion for clean, maintainable, and extensible code built to last. My ideal is to contribute to a team with a focus on thoughtful engineering and meaningful user impact.

## Technical Skills

### Languages

JavaScript (ES6), React  
Python 3  
Java, Regex  
HTML, CSS  
Node.js

### Data Engineering

MySQL, SQL  
NoSQL (DynamoDB)  
Pandas  
Matplotlib

### Testing

Puppeteer  
Selenium  
PyTest  
Postman

### AWS Services

CloudWatch  
Kinesis, MSK  
API Gateway  
CodeCommit, CodePipeline,  
CodeBuild  
IAM, S3, EC2

### Other

Django  
Tkinter, PyGUI  
Express.js  
Git, GitHub, GitLab  
Docker  
Kubernetes, Helm

## Work Experience

*Charter Communications*

### Software Engineer 4

**July 2024 – August 2025**

- Helped develop and document new onboarding procedure for team members
- Added fields and custom data cleaning to Python ETL script for JIRA issue tracking dashboard
- Created new ViewModels & ViewModelSets in Python for Django REST API endpoints for JIRA issue tracking dashboard
- Created new React page in JavaScript with Chart.js & ReactTabulator components, stateful responsive custom React components, and dynamic generation of unique and contrasting colors
- Utilized React Context API providers and consumer hooks to maintain theme attributes throughout interface pages

## *Medtronic*

### **React and Python/AWS Full Stack Developer**

**January 2023 – April 2024**

- Created general page layout for virtual compute resource manager app using Google MUI Grid and Stack components to give a consistent and brand-appropriate frame and navigation to internal app pages
- Maintained a client-side SDK handling data queries and entity management
- Integrations between the React client and backend API to ensure seamless operation and graceful failures
- Created custom 4-part reusable React component using Google MUI components and React state management hooks to display EC2 instance metadata and actionable controls in a table format with JSON-controlled configurable attributes
- Created encapsulated React component using React state management hooks to dynamically label and disable button group to control EC2 instances
- Created dynamically populated, validated, and controlled single-component form using React state management hooks for creating and editing user/data access control entities
- Wrote unit and integration tests for the client using Playwright & Jest
- Created consent-gathering page using Oauth with Node/Express.js

## *Comcast*

### **Engineer 2, Software Dev & Engineering**

**October 2019 – December 2022**

- Developed and maintained a self-service data stream management API in Python for AWS Kinesis & Kafka (AWS MSK)
- Created new AWS API Gateway endpoints in Python to use AWS IAM roles to grant & revoke access to AWS Kinesis & MSK streams while enforcing AWS Parameter Store defined per-user maximums
- Edited CloudFormation YAML file so that all CloudWatch Logs created for development environments expired in 30 days
- Provided internal user support for the platform
- Wrote and maintained platform documentation in Confluence
- Maintained and updated Jenkins, CodePipeline pipelines

## *SpotX*

Broomfield, CO

### **Software Development Intern**

**May 2018 – May 2019**

- Designed user interface (Javascript, React) and backend (Python) for subscription editing page within a web app used throughout 600+ person company
- Created Docker images of backend API for local testing and release preparation
- Used Helm charts to control Kubernetes management for release management
- Created SQL queries as part of Python API endpoint code
- Implemented new RESTful API endpoints in Flask AppBuilder application for verifying syntax & inputs of Excel-style formulas to be applied to Pandas dataframes

## **Education**

**Metropolitan State University of Denver**, Denver, CO

Bachelor of Science, Computer Science, Graduation 2019