

# RYAN DEVENNEY

Full-Stack Software Engineer

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## PROFESSIONAL EXPERIENCE

PAYCHEX

Charlotte, NC

SOFTWARE ENGINEER II

Oct 2022-Present

- Used TypeScript, StencilJS, and React to produce a framework agnostic component library for company-wide implementation of numerous consumer-facing chat/help bots
- Reduce bot implementation timeline for internal library users by 40%
- Transition bot backend platform from .NET on Azure to a Spring Boot app running on Google Cloud Platform to achieve a 15% performance boost in bot response time and significantly lowered resource usage
- Implement a user liveness feature to cut down on idleness in call centers when connecting to live agent, saving the company \$80k/month
- Provide technical assistance and documentation to our internal consumers throughout their implementation process
- Consistently outperformed sprint goals and expectations to get the project delivered 2 months earlier than anticipated

ALLY BANK

Charlotte, NC

API ENGINEER

APR 2022 - Oct 2022 (Contract)

- Utilize TypeScript, Node.js, AWS, and Apollo to develop a GraphQL middleware layer between the customer support microservice fleet and the frontend consumer
- Transition legacy REST/JS service to a more strongly typed and more flexible GraphQL/TS service for internal use
- Increase performance of customer support application by 25% by relieving over-fetching bottlenecks as well as implementing a caching layer in our AWS architecture
- Develop CI/CD GitLab pipelines to ensure a smooth deployment process for our consumers
- Ensure that our codebase was thoroughly tested and always remained at >95% coverage

CHARTER COMMUNICATIONS

Charlotte, NC

ASSOCIATE APPLICATION DEVELOPER

JUL 2021 - APR 2022

- Using Go, Kafka, and Elasticsearch developed microservices to store, aggregate, and process network device data
- Implement a GraphQL API serving 150,000 requests/minute from our frontend consumer while maintaining performance benchmarks
- Utilize Docker and Jenkins for automated and containerized deployments in code review
- Write API unit tests providing complete code coverage
- Develop a user facing AngularJS application that displayed local, regional and national network device metrics to network technicians
- Collaborate with product owners to coordinate technical requirements that align with requested business interests

## EDUCATION / CERTIFICATIONS

AWS CERTIFIED CLOUD PRACTITIONER

2023

UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE

Charlotte, NC

Full Stack Web Development Bootcamp

2020

UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE

Charlotte, NC

Completed 85 Credits Towards A B.S. in Computer Science

2015-2020

## SKILLS / ADDITIONAL PROJECTS

- Technical Skills: AWS, Docker, Go, GraphQL, Java, Node.js, Redis, Rust, Terraform, TypeScript, Vi
- Open Source Contributions:
  - o [nushell](#)
  - o [lazygit](#)