

Aaron Torres

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SKILLS

Programming Languages: Javascript, Typescript, Golang, HTML5, CSS3, Python, C#, XSLT, Java, C++,

Front-end Tech: React.js, Next.js, Express, npm/yarn, EJS

Back-end Tech: Node.js, Redis, Docker, MongoDB, MySQL

Other Tech: git, Github, mocha, Netlify, Perforce, CI/CD

EXPERIENCE

IBM, Durham, NC, *Advisory Software Engineer - API Connect*, Apr 2019 - May 2022

- Developed and tested Migration Utility for redesigned API Connect, reducing migration time by over 10x.
- Implemented Golang and JavaScript code in the Migration Utility, automating the transformation of customer data and saving over 2000 hours of manual labor per customer.
- Orchestrated 300 hours of virtual meetings with customers, 2 product managers, and 5 senior engineers to identify pain points and plan bug fixes and enhancements.
- Built an extensive testing framework, introducing 500 Mocha tests. Code must pass these tests before being pushed, catching bugs or regressions early.

IBM, Durham, NC, *Staff Software Engineer - API Connect / DataPower*, Jan 2015 - Apr 2019

- Developed bug fixes and enhancements for Map API, enabling quick transformation of XML and JSON datasets.
- Pinpointed root cause of a prod server outage within 2 hours to a single line of code in a customer's API.
- Provided detailed mentorship via screenshare, reducing new developers' onboarding time by 300%.
- Optimized Redact API by rewriting in C++ and using JSONata to increase dataset redaction speed by over 200%.

IBM, Durham, NC, *Software Engineer Co-op/Intern - DataPower*, May 2013 - Nov 2013, May 2014 - Aug 2014

- Revamped DataPower firmware code, resolved customer issues using C++ and XSLT.
- Modernized the password encryption feature in C++ to industry standards.
- Streamlined the XSLT codebase for faster, more efficient XML data processing.

TechSmith, Okemos, MI, *Software Engineer Intern - Camtasia Relay, Coach's Eye*, May 2012 - May 2013

- Implemented front camera and video recording features in Java using Android SDK for Android app.
- Integrated Google Maps API V2 into Android App, and created pinch-to-zoom map feature from scratch for an enhanced user experience.
- Engineered Camtasia Relay video recording key frame improvements using C++, allowing for a smoother experience.

EDUCATION

Michigan State University — *BS Computer Science*

Dec 2014

AWARDS/CERTIFICATIONS

- IBM - Outstanding Technical Achievement Award
- Udemy - The Complete 2023 Web Development Bootcamp