

Nicole Muzzin

Contact

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Employment

Frontend Developer - Amazon Web Services (AWS)

Jan 2022 - Present

I am currently on the Cross Console Experiences team (CCX), a cross-cutting team dedicated to bringing next-generation utility to 200+ service consoles. My daily responsibilities involve developing visual interfaces and constructing their underlying cloud infrastructures.

Lead Full Stack Developer - Insight Global

July 2021 - Dec 2021 (contract)

Positioned at OneCall, my team took over development of an outsourced enterprise application. Our job was to adapt the legacy systems to new infrastructure, maintain the existing code, fix bugs that crop up in the production environment, and simplify the setup process. As we also handled production support, one of us was always on call to assess and document new bugs as they occur.

Senior JavaScript Developer - Beacon Hill Staffing

Sep 2020 - March 2021 (contract)

Positioned at KAR Auto Group, I mentored a team of senior JavaScript developers as we redesigned and developed internal services into an AWS-based microservice architecture. My role involved guiding my teammates in proper TypeScript and Serverless practices while maintaining my own workload as my code set the standards for the team to look to.

Senior JavaScript Developer III - C4 Technical Services

Nov 2019 - Aug 2020 (contract)

Positioned at College Board, I designed, developed, and maintained E2E microservices utilizing the Serverless framework on top of Lambda, SNS, SQS, and other assorted AWS resources. I also designed and developed a web-based user interface for an existing internal service that previously had no UI.

Developer - Clarus Group

June - September 2019 (contract)

Positioned at Accenture Federal Services, I worked with a team to design and develop

a large-scale Angular-based web app utilizing a variety of technologies including Angular 8, JavaScript, TypeScript, HTML, CSS, Java, Karma, and Blender.

3D Designer and Animator - Freelance

2017 - Present

Utilized Blender to model, virtually stage, and animate beverage cans now on display on the 2Silos Brewing website. Currently utilize Blender to design and produce animations for web development jobs.

Full Stack Web Developer (CEO) - Linky, LLC

2016 - Present

Utilize software stacks containing mixes of Nginx, Apache, PHP, MongoDB, RethinkDB, MS-SQL, MySQL, HTML, CSS, JavaScript, TypeScript, and NodeJS to create mobile-first, responsive websites backed by high-security databases. Manage cloud-based Linux VPSs and access them via SSH and SFTP. Sole proprietor.

iOS App Developer - Krasnow Institute at George Mason University

Summer 2014 Internship

Designed and developed a data-driven native mobile client for the <http://hippocampome.org/> project for iPhones, iPads, and iPod Touches using XCode, Objective-C, HTML, and JSON.

Skills

Programming: JavaScript (ES2021), TypeScript, HTML5, CSS3, Sass / SCSS, Node.js 17, Objective-C, PHP, Java, C#, Bash, Batch, SQL, ReQL

Unit Testing Frameworks: Jest, Mocha, Chai, Jasmine

Operating System: macOS, Windows 95 through 10, Windows Server, Linux, Android, iOS

Software Proficiency: Word, Excel, PowerPoint, Access, Pages, Numbers, Keynote, Blender, VirtualBox, Parallels, Git, FTK, FTK Imager, EnCase Forensics, Magento, Wordpress, Ghost, Coda, Atom, Brackets, Slack, Affinity Designer, Affinity Photo, Logic Pro, Vegas Pro, git, GitHub, BitBucket, Atom, XCode, DataGrip, Angular 8

Web Servers: ADDS, IIS, Nginx, Apache2, Node.js, proprietary

IDEs: PHPStorm, WebStorm, Visual Studio, Xcode, Eclipse, Android Studio

Cloud: Amazon (EC2, Lambda, SQS, SES, SNS, S3, DynamoDB, CloudFront, CloudFormation, Alexa, Lex, Polly), Google Cloud Platform, DigitalOcean, Vultr, GoDaddy, Serverless.com

Databases: Oracle, PostgreSQL, MySQL, MS-SQL, NoSQL incl. RethinkDB and MongoDB

Artificial Intelligence: Machine learning, neural networks, DialogFlow, Amazon Lex, Loda

Current Projects

Loda - JavaScript library that makes websites load in 0.04 seconds

<https://github.com/airgap/loda> | <https://loda.io/>

After a quick drag-and-drop installation, Loda's client-side JavaScript library will augment how web browsers load your web pages. It's not uncommon to see 300ms load times become 36ms, or 15 second load times drop to 5 seconds. Created with PHP, HTML, CSS, JavaScript, Node.js, TypeScript, and RethinkDB (NoSQL).

IP 4 Life - Minimalstic ad-free IP address detector

<https://github.com/airgap/ip4.life> | <https://ip4.life> | <https://github.com/airgap/ip4life-app>

FTL - Hover events before they happen

<https://github.com/airgap/ftl>

FTL uses cursor prediction to trigger hover events right before users actually hover over elements, enabling your interface to achieve impossible levels of snappiness. FTL is at the core of Loda and they are developed in parallel. Created with HTML and JavaScript.

Liot R - IoT router and software message broker

<https://github.com/airgap/liot-r>

Built on a foundation of Node.js and RethinkDB, Liot R enables users to route data packets to and from any device or software application. The JSON-formatted messages are sent as an internal broadcast, and receivers can listen for packets matching easy yet robust JSON filters. Created with Node.js and RethinkDB (NoSQL).

Liot D - Hyperspeed IoT router as an NPM package

In Development

Liot D scraps the database and runs everything in memory for a message brokering experience not constrained by nonvolatile memory. In addition to routing messages between devices and applications, Liot D can be run as a Node.js module for internal message brokering. Created with Node.js and TypeScript.

AntiScript - Human to robot translator

Demo available on request.

AntiScript translates pure English pseudocode into RobotC or VEXcode, which can then be uploaded to VEX robots. Translation typically takes less than one millisecond, so you can get updated code live as you type English. To cap it off, RobotC can be mixed in with your AntiScript code -- on the same line, even -- and the translator will run without issue. Created with TypeScript, JavaScript, and Node.js. Optional visual interface created with HTML, CSS, and JS.

Education

Cybersecurity B.A.S. (incomplete)

2018 - 2019

Attended George Mason University. On the dean's list every semester.

Cybersecurity A.A.S.

2015 - 2017

Earned at Northern Virginia Community College with a 3.971 GPA (summa cum laude).
Presidential scholar and on the dean's list multiple semesters.