

Joseph Guillaume *Software Engineer*

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Education

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| 2021 – 2022 | Software Engineering, Launch School
Mastery-based school for software engineers: launchschool.com/employers 🔗. |
| 2015 – 2016 | Education Specialist Degree (Ed. S.), John Carroll University |
| 2013 – 2015 | Masters of Education (M. Ed.), John Carroll University |
| 2007 – 2011 | Bachelor of Arts (Psychology), Bowling Green State University |

Professional Experience

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| 08/2022 – Present | Creator, Software Engineer, Armada
Co-created Armada 🔗, an open-source tool that enables the configuration and deployment of development environments in the cloud. <ul style="list-style-type: none">• Prototyped and built Armada using Node.js, Docker, and Amazon Web Services (ECS, ALB, RDS, Lambda, EFS, Cognito, EC2).• Devised networking strategy using an Application Load Balancer (ALB), Load Balancer Listeners, and Target Groups to enable path-pattern routing to stateful containers.• Developed storage strategy utilizing Amazon's Elastic File System (EFS) and serverless functions (Lambda) to enable data persistence.• Authored backend service with endpoints designed to simplify the end-user experience and facilitate communication between several AWS products (Node/Express, PostgreSQL, Prisma, SDK, TypeScript).• Built user interface to enable users to create, organize, and manage development environments (React, Chakra UI). |
| 11/2021 – 07/2022 | Teaching Assistant, Launch School <ul style="list-style-type: none">• Led study groups teaching programming fundamentals and problem-solving.• Performed detailed code reviews on student programming assignments.• Answered technical forum questions, graded exams, and wrote course content. |
| 2016 – 2022 | School Psychologist, Cuyahoga Heights Schools & Maple Heights City Schools |

Skills

Languages

TypeScript, JavaScript, Go, SQL, CSS, HTML

Frameworks & Libraries

React/Redux, Express, Jest

Cloud

AWS (ECS, ALB, RDS, Lambda, EFS, Cognito, EC2),
Digital Ocean (Droplets)

Other Technologies

Docker, PostgreSQL, SQLite, MongoDB, HTTP,
REST, Git/GitHub, Linux