



Joseph Guillaume *Software Engineer*

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Education

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

Professional Experience

08/2022 – Present	Creator, Software Engineer , <i>Armada</i> 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 , <i>Launch School</i> <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 , <i>Cuyahoga Heights Schools & Maple Heights City Schools</i>

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