

# Joseph Guillaume *Software Engineer*

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## Education

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

## Professional Experience

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| 08/2022 – Present | <b>Creator, Software Engineer, Armada</b><br>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"><li>• Prototyped and built Armada using Node.js, Docker, and Amazon Web Services (ECS, ALB, RDS, Lambda, EFS, Cognito, EC2).</li><li>• Devised networking strategy using an Application Load Balancer (ALB), Load Balancer Listeners, and Target Groups to enable path-pattern routing to stateful containers.</li><li>• Developed storage strategy utilizing Amazon's Elastic File System (EFS) and serverless functions (Lambda) to enable data persistence.</li><li>• 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).</li><li>• Built user interface to enable users to create, organize, and manage development environments (React, Chakra UI).</li></ul> |
| 11/2021 – 07/2022 | <b>Teaching Assistant, Launch School</b> <ul style="list-style-type: none"><li>• Led study groups teaching programming fundamentals and problem-solving.</li><li>• Performed detailed code reviews on student programming assignments.</li><li>• Answered technical forum questions, graded exams, and wrote course content.</li></ul>   |
| 2016 – 2022       | <b>School Psychologist, Cuyahoga Heights Schools &amp; Maple Heights City Schools</b>  |

## Skills

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### 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