# Carl Jerritt Aquino

Software Engineer

✉ jerritt.aquino@gmail.com ✎ carljerrittaquino.com ⦿ Snellville, GA

Profile

I am a software engineer with experience in JavaScript, Go, Python, Ruby, and React/Redux. I also have experience with AWS and GCP. I am a co-creator of Pilot, an open-source, multi-cloud framework for provisioning an internal PaaS with a workflow-agnostic build, deploy, and release pipeline.

Experience

May 2021

Pilot Framework, *Co-Creator, Software Engineer*
https://pilotframework.com/ ⧉
Pilot is an open-source, multi-cloud framework for provisioning an internal PaaS with a workflow-agnostic build, deploy, and release pipeline.
Technologies: TypeScript, Go, gRPC, Docker, Terraform, AWS / GCP
- Led the design of how Pilot automates the provisioning of resources to AWS and GCP using Terraform
- Utilized a custom Docker image that provides the custom plugins needed for multi-cloud deployments.
- Co-led and designed Pilot CLI
- Co-authored a technical case study documenting our design decisions

May 2017 – Sep 2020

MR Systems, *Applications Engineer*
- Technical Lead - Led a team in developing two distributed applications that communicate to and store data from devices at different locations
- Designed, developed and deployed Human-Machine Interfaces (HMI) to PLC-based automation and control systems for the water and wastewater industry using industry standard HMI software
- Built an internal library in Python to improve developing features for HMI interfaces.
- Designed and developed automated reporting systems using SQL and Excel to improve plant observability
- Troubleshoot communications in industrial computer networks.

Nov 2015 – May 2017

CITI, LLC, *Project Engineer*
- Designed and developed HMI applications using Wonderware's InTouch or Inductive Automation's Ignition.
- Designed HMI applications that integrate with PLC and third-party vendor systems
- Develop project specific documentation.

Skills

Languages
JavaScript, TypeScript, Ruby, Go, SQL, HTML, CSS

Frameworks
React/Redux, Express, Node, Handlebars, jQuery

Technologies
Git/GitHub, Docker, Terraform, REST APIs, Waypoint