




# LUCAS DA CRUZ

SOFTWARE ENGINEER

 <https://ldacruz94.github.io> |  781-330-9666 |  lucaspavesi11@gmail.com

## SKILLS

- Python, Java, C#, C++, Golang, JavaScript, Typescript, Git, Docker, Azure, Helm, Bash, PowerShell, Multithreading
- PostgreSQL, MySQL, Microservices, Backend, Frontend, DevOps, CICD, Terraform, Bicep, Automation, Linux
- Angular, React, Flask, FastAPI, Springboot, .NET, Tailwind CSS, Azure Pipelines, CircleCI, GitHub Actions
- Prompt Engineering, Databricks, scikit-learn, ETL, Azure Data Factory, Jupyter Notebook, Snowflake

## EDUCATION

**Western Governors University** || *B.S. Computer Science* || Millcreek, Utah **Aug 2024 – Sep 2025**  
**Massachusetts Bay Community College** || *A.S. Computer Science* || Wesley, Mass. **Sep 2023 – Aug 2024**  
*(Did not complete - transferred to WGU with a 4.0 GPA)*  
**Certificate: Linux Essentials Certificate (LPI)** **Issued Mar 2025**

## WORK EXPERIENCE

**Ecolab** | *Software Engineer* **Jan 2022 - Present**

- Developed and maintained CI/CD pipelines and cloud infrastructure using Terraform, Bicep, and Azure Pipelines, improving deployment reliability and reducing release times by 30%
- Developed event-driven .NET microservices to process real-time telemetry data from thousands of IoT devices in Azure environments
- Created internal CLI tools powered by LLMs to automate unit test generation and code documentation, reducing developer effort by 25% and improving code consistency
- Led full-stack delivery of an Executive Business Review web application (.NET, Angular, Azure) used by 300+ global account managers and driving consistency in enterprise-level reporting and customer engagement

**Torchlight** | *Automation Contractor* **May 2021 - Present**

- Built a multithreaded Python tool using concurrent I/O to audit hundreds of third-party links, improving the accuracy of enterprise training and documentation resources
- Designed and maintained robust, scalable automated test suites for cross-platform applications using modern testing frameworks, accelerating QA cycles and reducing regression defects
- Automated the end-to-end generation of 100+ dynamic Tableau utilization reports using Python and Selenium — reducing reporting time from 4 business days (that took two resources) to under 3 hours

**Constant Contact** | *Associate Software Engineer* **Aug 2021 – Jan 2022**

- Engineered high-throughput batch processing pipelines using Spring Batch and RESTful API integrations, reducing processing latency by 40%
- Refactored critical backend billing workflows to adopt a RESTful API-first architecture, improving maintainability and decoupling services from legacy database dependencies
- Executed zero-downtime deployments to staging and production via CI/CD pipelines and automated scripts, enabling smooth delivery of business-critical releases