

# Mario Moura

[mariohenriqueneto@gmail.com](mailto:mariohenriqueneto@gmail.com) | [LinkedIn](#) | [Github](#) | [GPG: D2F8E46E0657570B](#)

## EXPERIENCE

### DevOps Engineer

*Metaltoad*

Oct 2023 – Present  
*Portland, Oregon(Remote)*

- Developing automatic CDN cache clearing procedures based on content using headless CMSes.
- Handling Automatic issuance of x509 certificates for Akamai and Cloudfront.
- Handling multi-stage deployments on Akamai, ensuring proper testing.
- Creating templates for secure, quick and reproducible deployment of CI/CD pipelines, reducing customer onboarding times.
- Implementing distributed deployments of common CMSs, like Wordpress and Craft.
- Building from the ground up highly available and scalable Nextjs Infrastructure for ~200,000 users.
- Making the creation of API endpoints effortless for the backend team by using Terraform Modules and OpenAPI.
- Building a Highly available private registry for common Terraform modules to distribute them across dozens of clients.
- Handling cache purging strategies for CDNs under considerable load (~200.000 users) using Akamai and Cloudfront.
- Programming multiple scripts to automatically collect relevant SOC2 data.
- Designing and implementing distributed workloads using Docker and ECS.
- Reduce operational costs and availability of AWS Elemental Pipelines.
- Managing Linux boxes for multiple users to collaborate following specific company standards.
- Load Testing highly available sites, reaching more than 200.000+ users.
- Reduced RDS costs for non-production environments by 49%.
- Configured auto-scaling website to handle major climatic event: Hurricane Milton.

### Systems Administrator

*Metaltoad*

Nov 2022 – Oct 2023  
*Portland, Oregon(Remote)*

- Reduced Terraform CI/CD pipeline runtime in 65.5%, by implementing concurrency. Cutting GitHub Actions cost by a significant margin.
- Load tested major applications reaching thousands of users by leveraging tools like Locust and Jmeter.
- Made AWS automations, so management tasks would take minutes instead of hours using mainly Bash and Python.
- Implemented security measures and policies using AWS Security Hub, hardening AWS accounts according SOC2.
- Monitoring with AWS CloudWatch, DataDog and Pingdom, ensuring ~97% availability.
- Backend development using Python on AWS Lambda coupled with API Gateway.

### Linux Engineer Intern

*Museu Paraense Emílio Goeldi*

Mar 2020 – Jul 2020  
*Belém, PA, Brazil*

- Packaged dozens of biology-related software to Alpine Linux.
- Built and deployed multiple Docker images, focusing on image size.

### Systems Administrator

*Independent Consultant*

Jan 2020 – Dec 2024  
*Belém, PA, Brazil*

- Bootstrapped WordPress applications for multiple small businesses.
- Deployed and managed email services using Postfix and Dovecot.
- Provided consulting work for clients moving to the cloud.
- Administrated multiple Linux boxes running LAMP stacks.
- Ensured reliability of Debian/Ubuntu and RedHat Linux instances.

## PROJECTS

<b>Terraform private registry</b>   <i>Terraform, MySQL, Docker, S3, ECS, Bash</i>	Sep 2024 – Present
<ul style="list-style-type: none"><li>Hosted a highly available version of <u>Terralist</u> to leverage SEMVER in Terraform Module distribution.</li><li>Developed an automatic CI/CD pipeline for automatic module publishing using GitOps and GitHub Actions.</li></ul>	<ul style="list-style-type: none"><li>Enabled live patching of Terraform modules for subscribed clients.</li><li>Enabled more secure module distribution by using isolated credentials.</li></ul>
<b>OIDC Terraform Bootstraper</b>   <i>Bash, Cloudformation, S3, GitHub Actions</i>	Jun 2023 – Present
<ul style="list-style-type: none"><li>Authenticates to AWS without the need for storing hard credentials.</li><li>Tool to bootstrap Terraform pipelines securely.</li></ul>	<ul style="list-style-type: none"><li>Enables Engineers to quickly onboard new clients.</li><li>Enabled the standardization of all pipelines.</li></ul>

## CERTIFICATIONS

<b>AWS Security – Specialist</b>	<i>Technology</i>   Mar 2025 – Mar 2027
<b>Terraform Associate (003)</b>	<i>Technology</i>   Jun 2024 – Jun 2026
<b>AWS DevOps Engineer - Professional</b>	<i>Technology</i>   Apr 2024 – Apr 2027
<b>AWS SysOps Administrator</b>	<i>Technology</i>   Aug 2023 – Apr 2027
<b>AWS Cloud Practitioner</b>	<i>Technology</i>   Apr 2023 – Apr 2027
<b>Duolingo English Test 2021</b>	<i>Language</i>   Aug 2021 – Aug 2023
<b>IELTS 7.5 2019</b>	<i>Language</i>   Oct 2019 – Oct 2021

## EDUCATION

<b>CESUPA</b> <i>Bachelor in Computer Science</i>	Belém, PA, Brazil <i>Jan. 2017 – Jun 2022</i>
<b>Trend Micro</b> <i>Certified Program in IT Security</i>	São Paulo, São Paulo, Brazil <i>Sep. 2018 – Dec. 2018</i>

## TECHNICAL SKILLS

<b>Natural Languages</b>	: English(Advanced), Portuguese(Native), French(Intermediate)
<b>Languages</b>	: C, Bash, Python, AWK
<b>Frameworks</b>	: React, Next.js, WordPress, OpenNext, Drupal
<b>CDNs</b>	: Akamai, Cloudfront
<b>Developer Tools</b>	: Git, Docker, Vim, Linux, Bash(as my shell)
<b>CI/CD</b>	: Github Actions, AWS Code Pipeline, Jenkins
<b>Cloud Vendors</b>	: AWS(extensive), GCP(limited), Vultr, Locaweb, DigitalOcean, Linode
<b>IaC</b>	: Terraform, CDK, Cloudformation, OpenTofu