

# Daniel Mesquita

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## PROFESSIONAL EXPERIENCE

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### MOSS EARTH

#### Senior Full-stack developer

Remote  
2023-Present

- Integrated external APIs from Pipefy, Hubspot, Slack, and Google Docs, automating workflows and cutting down weekly work hours across environmental, sales, and marketing departments.
- Leveraged microservices architecture and Google Cloud Functions to seamlessly integrate Typescript, Python, and Go, reducing development time through using language-specific strengths.
- Optimized system efficiency by caching API calls with Redis, resulting in a 20% reduction in costs and a 15% decrease in response times, significantly improving system performance.
- Implemented monitoring tools like New Relic, Sentry, and OpenTelemetry, uncovering critical system bottlenecks leading to a reduction in operational costs.
- Automated map image generation for REDD+ Project Descriptions with Python's Matplotlib and BigQuery, reducing the data team's workload by approximately one week per carbon project.
- Designed and documented multiple RESTful APIs using Swagger and Miro, facilitating knowledge transfer and team collaboration efficiency.

### FLOW LAB

#### Senior Full-stack developer

Uberlândia, MG - Brazil  
2020-2023

- Managed Agile-driven projects, ensuring on-time, within-budget deliveries achieving a 9.2 client NPS.
- Led diverse customer meetings with professionals from various sectors, enhancing customer relations and feedback integration into project scopes, increasing client engagement.
- Mentored junior developers in Typescript, Python, Golang, React, and Node.js, improving their productivity and the development team efficiency.
- Implemented Amazon SES for commercial and transactional emails, achieving an efficient and low-cost email delivery.
- Optimized file storage and retrieval using Amazon S3, achieving a scalable and reliable file storage solution.
- Achieved 100% test coverage in the [Opinahub](#) web app using Test-Driven Development (TDD) while creating unit and integration tests, reducing bugs and enhancing app reliability.
- Cut [Medfy](#) server costs by 25% migrating from Heroku using Docker to AWS EC2 and Aurora RDS.
- Handled payment processing by integrating third-party services such as Pagar.me, PagSeguro, and Stripe.
- Reduced deployment times by over 80% using CI/CD processes with GitHub Actions and Turbopack.
- Enhanced the [BomDia](#) mobile app UX by integrating client and server for real-time feedback using WebSockets.

## EDUCATION

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### ESTÁCIO DE SÁ

Bachelor's Degree in Systems Analysis and Development

Uberlândia, MG - Brazil  
2021-Present

## ADDITIONAL INFORMATION

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- **Technologies:** Go (Golang), Python, Typescript, Javascript, Node.js, RESTful API, GraphQL, Nest, Express, Gin, Fiber, GORM, Flask, Django, Matplotlib, Pandas, Geopandas, Prisma, Postgres, BigQuery, Redis, Mongo, AWS, Google Cloud (GCP), Git, Github, Gitlab, Docker, Kubernetes, Nginx, Linux, React, React Native, Next.js, Expo, React Context API, Redux, HTML, CSS.
- **Technical Skills:** Micro-services, MVC and Hexagonal Architectures, DDD, TDD, Version control, CI/CD, Data structures, Algorithms, Clean code, Unit tests, Integration tests.
- **Languages:** Fluent in Portuguese (native speaker) and English; basic proficiency in Spanish.