THALISON COSTA DIAS

Software Engineer

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PROFESSIONAL SUMMARY

Experienced Software Engineer with 5+ years developing scalable backend and frontend applications. Proven track record in cloud technologies (AWS), microservices architecture, and leading development teams. Expertise in TypeScript, Python, React.js, and serverless solutions. Successfully delivered projects serving 1M+ users and processing 3M+ daily transactions. Strong background in DevOps practices, CI/CD pipelines, and agile methodologies.

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Python, Rust, Go, C#, SQL
Frontend Technologies: React.js, Next.js, Tailwind CSS, HTML5, CSS3
Backend Technologies: Node.js, .NET, REST APIs, Microservices, Serverless Architecture
Cloud & Infrastructure: AWS, Docker, Kubernetes, Terraform
Databases: MySQL, PostgreSQL, DynamoDB, Redis, MongoDB
DevOps & Tools: Git, CI/CD, Jenkins, Datadog, OpenTelemetry, Portainer
Methodologies: Agile, Scrum, Test-Driven Development (TDD)

PROFESSIONAL EXPERIENCE

Software Developer | Aarin (Remote)

November 2024 - Present

- Led migration project to make company a direct Pix participant with Brazil's Central Bank
- Developed high-performance backend systems using TypeScript and AWS Lambda serverless architecture

- Implemented secure Pix payment logic with compliance and performance optimization using Datadog analytics
- Optimized APIs to achieve average response times under 100ms for real-time financial transactions
- Maintained and enhanced C# .NET APIs supporting 3+ million daily Pix transactions
- Integrated AWS services for scalability, caching, and high availability monitoring

Software Developer | Venturus (Remote)

March 2024 - November 2024

- Built comprehensive admin web platform for electric vehicle charging management
- Improved API performance by 60% through code optimization and efficient Lambda memory usage
- Integrated AWS cloud services to ensure scalability and 99.9% system reliability
- Collaborated with cross-functional teams for seamless backend, frontend, and embedded systems integration
- Applied Agile methodologies for efficient project management and team collaboration
- Mentored 3 junior developers, contributing to team professional development

DevOps Engineer | Brintell (Remote)

June 2022 - Present

- Led provisioning and orchestration of on-premises Data Lake infrastructure for Brazilian government agency
- Implemented Kubernetes-based solutions supporting Minio, Trino, Apache Spark, and Airflow
- Automated deployment pipelines reducing deployment time by 40%
- Enhanced system observability with OpenTelemetry and Portainer for improved fault detection
- Applied security best practices ensuring high availability and system resilience
- Maintained infrastructure serving 400,000+ government users

Software Developer | SASI (Manaus, Amazonas)

October 2021 - May 2024

- Engineered REST APIs for international clients serving 1M+ monthly active users
- Resolved 50+ critical desktop application bugs improving system stability by 35%
- Developed OpenAI-powered API using Python and LangChain for Brazilian government client
- Reduced post-deployment issues by 25% through automated testing procedures and DevOps practices
- Implemented solutions using Rust, Go, Python, AWS, and TypeScript for enhanced performance
- Utilized Terraform for infrastructure as code and automated provisioning

EDUCATION

Bachelor's Degree in Systems Analysis and Development

Universidade Estácio de Sá | July 2021 - December 2023

- Specialized in algorithmic thinking, problem-solving, and software engineering methodologies
- Completed full-stack development projects with interdisciplinary teams
- Proficient in C, Python, SQL, JavaScript, and HTML/CSS

CERTIFICATIONS

AWS Certified Cloud Practitioner (CLF-C02)
Credential ID: b151ef18-944c-4da9-b62d-faed99332ea2
Issued: 2024 | Valid through: 2027

LANGUAGES

- **Portuguese:** Native
- **English:** Advanced (C1)
- **Spanish:** Basic (A2)

KEY ACHIEVEMENTS

- Successfully migrated financial services to direct Central Bank integration
- Led development team delivering solutions for 1M+ international users
- Optimized system performance resulting in 60% API improvement
- Implemented infrastructure supporting 3M+ daily financial transactions
- Reduced deployment issues by 25% through automated testing implementation
- Mentored junior developers contributing to 100% team retention rate