

BRUCE PEDRO GOMES

Senior Software Engineer

Node.js | TypeScript | PostgreSQL | AWS

brucegomestech@gmail.com | +55 44 99173-8164 | Brazil (UTC-3), 4 to 5 hours behind Central European Time

linkedin.com/in/brucepedrogomes | github.com/brucePedroGomes | brucegomes.com.br

SUMMARY

Senior software engineer, 7+ years, focused on backend: Node.js, TypeScript, PostgreSQL, and Amazon Web Services (AWS). Sole backend engineer and architect for Corteva at Levva, owning AWS end to end. React when needed.

Open to remote roles worldwide. English: C1. Portuguese: native.

SKILLS

Languages: TypeScript, JavaScript, SQL, Python | **Frontend:** React

Backend: Node.js, Express, REST APIs, GraphQL, Apollo Federation, Zod, OAuth 2.0, JWT

Data: PostgreSQL, Amazon Aurora, Amazon RDS, Drizzle ORM, Prisma, DynamoDB, Redis, MongoDB, Dremio

AWS: Lambda, API Gateway, SQS, SNS, EventBridge, S3, EC2, CloudFormation, Systems Manager, Bedrock, Transcribe

Networking and security: VPC, private subnets, NAT, VPC endpoints, VPN, IAM, WAF, CloudFront, Secrets Manager

DevOps: Serverless Framework, Docker, Kubernetes, Azure Pipelines, GitHub Actions, SonarCloud

Testing and monitoring: Vitest, Testcontainers, CloudWatch, X-Ray, Lambda Powertools, Sentry

EXPERIENCE

Senior Software Engineer

Levva | Digital product consultancy | Client: Corteva (agriculture) | Remote | Mar 2023 - Present

- Designed and built the backend of Corteva's field-trials platform as sole backend engineer and architect: Node.js and TypeScript on AWS Lambda, API Gateway, and Aurora PostgreSQL, in a hexagonal architecture.
- Owned the AWS setup end to end: private networking (VPC, NAT, VPC endpoints, VPN), IAM, WAF, and CloudFront.
- Migrated 5 APIs from EC2 to AWS Lambda and API Gateway, cutting annual infrastructure costs by 80%.
- Moved the database from MongoDB Atlas, outside AWS, to PostgreSQL on Amazon RDS (Aurora) inside the company's VPC, so Dremio reads it directly, with no helper views.
- Replaced Prisma with Drizzle without a code freeze, protected by contract tests on every endpoint.
- Built CI/CD on Azure Pipelines with blocking gates (tests, SonarCloud) and production approval. Set up monitoring with CloudWatch, X-Ray, Lambda Powertools, and Sentry.
- Built a satellite NDVI platform in 2 months as sole engineer, with Google Earth Engine, Lambda, SQS, S3, PostgreSQL, and React. First in Python (2024), moved to TypeScript in 2026.
- Built a WhatsApp AI assistant that turns voice notes, photos, and text into field assessment drafts, with Amazon Bedrock, Transcribe, and Twilio. Moved it from Python to TypeScript after measuring slow cold starts.
- Developed an order and delivery tracking backend with Node.js on Lambda, Prisma, Twilio, and SendGrid.

Senior Software Engineer

SNACKCLUB | US gaming technology startup | Remote | Jan 2022 - Mar 2023

- Built game monitoring platforms with Node.js, TypeScript, PostgreSQL, and REST and GraphQL APIs.
- Built Discord bots to automate daily operations for gaming communities. Maintained CI/CD with GitHub Actions.

Software Engineer

Quiq | Delivery management platform | Brazil, remote | Mar 2021 - Jan 2022

- Developed a React and TypeScript app to dispatch and track restaurant orders from iFood, Rappi, and Uber Eats.

Software Engineer

LOUD | Esports and creator organization | Brazil, remote | Mar 2019 - Mar 2021

- Owned the Twitter (Node.js) and TikTok (Python) data collectors on PostgreSQL: millions of records per day.
- Built their Docker images and Kubernetes pods and deployed them on the existing cluster.
- Helped on the other social networks' microservices, joined in one GraphQL API with Apollo Federation.

OPEN SOURCE

DefinitelyTyped | Open-source project behind TypeScript for React and Node.js

- Author and owner of [TypeScript support for Google Earth Engine](#), approved by Microsoft's TypeScript dev lead.

EDUCATION

Systems Analysis and Development | UNIPAR, Brazil | Associate degree in progress, expected 2028.

Information Security | UNIP, Brazil | 2019, not completed.