Contact

Goiânia - Goiás

joao@joaopster.com

www.linkedin.com/in/joaopster (LinkedIn)
joaopster.com/ (Personal)

Top Skills

Reconhecimento de fala
Kotlin
Android

Languages

Português (Native or Bilingual)
Espanhol (Elementary)
Inglês (Native or Bilingual)

Certifications

Node.js
Module - Fundamentals of Web Development
Module - Back End
Angular
Web Development

Publications

Eu migrei do Cursor para o Claude Code e economizei $400

João Pedro Viana

Lead Software Engineer | Cloud Architecture on AWS | Full-Stack TypeScript | AI in Production
Brazil

Summary

Software engineer with 7 years of experience in AWS cloud architecture, full-stack TypeScript and AI in production.I'm co-founder and lead developer of a confidential startup that I'm building with my business partner. I defined the software architecture and the whole AWS infrastructure, and I wrote 87.4% of the code in our 52 repositories, about 2.63 million lines. The product is live on web, iOS and Android, with real customers and more than 500 users. It runs on ECS Fargate, RDS PostgreSQL and more than 40 Lambda functions, all defined as code with OpenTofu. It has an AI voice line that answers phone calls 24/7 and integrations with about 10 third-party platforms.Before that I was a Senior Software Development Engineer at adMixt, a US company. I helped build Creators, a tool in the Prism platform that helps marketing companies find creators for their campaigns. The tool helped adMixt earn bonuses from Meta. I also modernized a PHP system more than 20 years old with modular JavaScript and no external dependencies.Cloud infrastructure (AWS)• ECS Fargate, Lambda, API Gateway, RDS PostgreSQL, S3, Cognito, VPC• SQS, SNS, EventBridge, CloudFront, Route 53, KMS, Secrets Manager• Infrastructure as code with OpenTofu and AWS CDK• CI/CD with CodePipeline and CodeBuild, observability with CloudWatch, X-Ray and SentrySoftware engineering and architecture• Modular monoliths, microservices and event-driven systems• Domain-Driven Design, Clean Architecture and hexagonal architecture• TypeScript, NestJS, Node.js, PostgreSQL, TypeORM, REST and WebSocket APIs• Automated testing with Jest and PlaywrightFrontend and mobile• Angular, React, Next.js, Vue, React Native and Expo• Design systems and modernization of legacy frontendsAI in production• Real-time voice agents, document processing and OCR• RAG, embeddings, LLM classification and structured output• Guardrails and model cost controlSystems integration and security• Payments, accounting, telephony and hardware integrations• Webhooks, idempotent data sync and

scheduled jobs• Authentication, role-based access control, KMS encryption and OWASP reviews

Experience

Confidential startup

Co-Founder and Lead Developer

December 2025 - Present (1 year)

• Own every technical decision since day one: I defined the software architecture, the cloud infrastructure and the code, and I decide what gets built and how.

• Wrote 87.4% of the code in the company's 52 repositories: about 2.63 million of 3.01 million lines of application code, tests and infrastructure.

• Designed and run the whole AWS infrastructure: containers on ECS Fargate, PostgreSQL on RDS, a private network (VPC), Cognito authentication, API Gateway and more than 40 Lambda functions, all defined as infrastructure as code with OpenTofu.

• Rebuilt the product from its first prototype into a full TypeScript stack: Angular on the web, NestJS on the backend, Node.js on AWS Lambda and PostgreSQL with TypeORM.

• Shipped the backend, the web app and the iOS and Android apps.

• Built AI features in production, including a 24/7 AI voice line that answers phone calls in real time.

• Integrated about 10 third-party platforms, including payments, accounting and telephony.

• Joined as a part-time developer in September 2025 and became co-founder in December 2025. The product is in production with real customers and more than 500 users.

adMixt

Senior Software Development Engineer

March 2025 - December 2025 (10 months)

United States

• Helped build Creators, a tool in adMixt's Prism platform (prism.admixt.com) that helps marketing companies find the right creators for their campaigns. The tool helped adMixt earn bonuses from Meta (Facebook).

• Modernized a PHP system more than 20 years old, building complete features from scratch in modular Vanilla JavaScript with no external dependencies.

• Built reusable components and a custom front-end framework that plug into the legacy system without putting its core at risk.
• Also optimized the database and refactored legacy code.

Howhow
Principal Software Architect & AI Engineer
February 2024 - April 2025 (1 year 3 months)
São Paulo, Brazil

• Hired directly by Howhow as its architect in February 2024, billing through my own company, after my consultancy had served as its technology team since May 2023.
• Led the technology team and owned the architecture of an influencer marketing platform that connects brands with influencers, using AI, natural language processing and data analysis.
• Designed a multi-user platform with several access levels that runs campaigns with many influencers at once through every stage: proposals, contracts, content submission, review and approval.
• Kept these multi-step workflows flexible and secure while the interface stayed simple for brands and influencers.
• Delivered the MVP. Brands track every campaign stage in real time, check compliance and content quality, and run several campaigns at the same time.

João Pster
Founder, Technical Lead and Developer
January 2020 - March 2025 (5 years 3 months)
Brazil

Founded and ran a software development and IT consulting company: custom software, upgrades of existing systems, IT outsourcing and technology consulting. I led the teams and wrote code on every project. The company ran client projects with its own team of developers trained at Trybe until March 2025, when the Artweb project ended.

• Artweb (January 2023 to March 2025): technical lead of 2 designers and 6 developers. We built 5 apps (2 for TV, 2 for web, 1 mobile) for an art streaming platform, with React, React Native, Angular, Flutter, Google Cloud, Firebase and generative AI, and wrote more than 200,000 lines of code in the first 16 months.
• Howhow (May 2023 to March 2024): acted as Howhow's outsourced CTO, leading the team that started its influencer marketing platform.
• Mirage: a startup app to find and explore the best of your city.

• Freelance (December 2019 to November 2022): more than 50 projects for marketing agencies and other clients, including a confidential project for a government client.
• Technology teacher (January 2021 to February 2024): taught programming to more than 100 students.

Aftersale
Senior Front-End Developer
October 2023 - February 2024 (5 months)
Brazil

(Fixed-term contract)
• Built React interfaces for AfterSale's reverse logistics platform, which handles product returns and exchanges for online stores, in a self-managed team.
• Added a dynamic interface to a critical step of the reverse logistics flow inside a complex legacy system, integrating modern front-end code into the legacy code base without hurting its stability or performance.
• The step became more intuitive and less error-prone for users, and the company's internal returns operations ran more smoothly.

Self-employed
Freelance Developer
August 2023 - September 2023 (2 months)
Brasil

• Took freelance web development projects for clients between my full-time jobs at Digital Republic and AfterSale.

Digital Republic
Front-End Developer and Technology Consultant
February 2023 - July 2023 (6 months)
São Paulo, Brazil

• Built Next.js and Angular projects for clients such as Fundação Bradesco and R/GA, working with multidisciplinary, self-managed teams.
• Built R/GA's website and blog, with an original layout, custom animations and a large blog. Every page and every blog post is edited in a no-code platform that sends the page structure as JSON.
• Split the site into modular components ("Bricks") following Atomic Design and documented each one. The project was delivered in half the planned time.

Verzel Soluções em Sistemas
Full-Stack Developer and Technology Consultant
November 2022 - February 2023 (4 months)

Brasil

• Worked on Angular, React and Node.js projects with multidisciplinary, self-managed teams, as developer and technology consultant.
• Built an AI chatbot for the client Mutant, a customer experience company, and connected it to the client's existing systems.
• Implemented the AI features that let the chatbot understand users' requests and answer them, while keeping the conversation simple for the end user.

Self-employed
Freelance Developer
December 2019 - November 2022 (3 years)
Brazil

• Started by building plugins and mods for games in C# and .NET with HarmonyX, and sold them directly to people I met in the games' player communities.
• Found clients on freelance platforms such as Fiverr, Workana and GetNinjas, and through direct contacts, and delivered many different projects for many clients.
• Built static websites in HTML and CSS, websites in React, WordPress websites with Elementor and online stores, and designed website layouts in Figma.
• More than 50 projects in total with React, Angular, Vue, React Native, Node.js, Express, Django, WordPress and Wix, for marketing agencies such as Really and other clients, including a confidential project for a government client.
• Built interfaces and UI/UX, applying product design, user experience and application architecture.
• Interviewed and hired developers for the teams and ran projects with Scrum and Kanban, using Jira and Slack.
• Worked with international teams and managed virtual servers on AWS, Google Cloud and Azure.

Education

Trybe
Full-Stack Web Development, Information Technology · (January 2022 - January 2023)

Times School

English Language Course, English as a Second Language · (July 2021 - November 2023)