

Arthur Cabral - Software Engineer

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Profile Summary

Experienced Full Stack Web Developer with 5+ years building scalable web applications using React and Node.js. Passionate about technology, I successfully implemented a microservices architecture that boosted system efficiency by 30%. Currently serving as a Senior Software Engineer with expertise in software architecture, API design, and AI development. Entrepreneurial mindset with a strong focus on innovation and performance.

Education

Federal University of Pernambuco (UFRPE) - Bachelor in Systems Information (Jan 2020 - Dec 2024)

- Focus: Software Engineering and Entrepreneurship
- Master's in Computer Science with specialization in Software Engineering and Web Development

Professional Experience

Amigo Tech

Senior Software Engineer + Team Leader (July 2024 - Present)

- Leading engineering team and overseeing software architecture
- Refactoring microservices and improving system scalability
- Implementing payment integrations and security upgrades

Software Engineer (June 2022 - June 2024)

- Refactored critical services (scheduling, medical-record, financial)
- Migrated to TypeScript and optimized queries in PostgreSQL & Redis
- Reduced latency by 40%, improved maintainability and documentation

Junior Software Engineer (Nov 2021 - May 2022)

- Developed real-time messaging using Socket.io, Node.js, and AngularJS
- Built Redis-backed persistence layer with Casl-based authorization
- Enhanced team response time by 30%

BrightLift AI (Founder) (Jan 2025 - Present)

- Built AI-driven marketing automation platform (React, Next.js, FastAPI)
- Integrated OAuth2 with Meta, Google, and Pinterest APIs
- Created GPT-4 recommendation engine; improved ROAS by 20%, reduced setup time by 80%

Rekon (Founder) (Jan 2024 - Present)

- Developed face-recognition and image-processing platform (Node.js, React)

- Integrated Face++ and AWS Rekognition APIs
- Enabled selfie-based image search with <5s response time

Retail Sparks (Software Engineer) (Jan 2025 - Present)

- Designed high-throughput data pipeline (FastAPI, AWS Lambda)
- Deployed real-time sentiment analysis using Hugging Face BERT
- Built interactive dashboards with React; ensured 100% data integrity

Key Projects

Amigo Tech - Healthcare platform for clinics and professionals

- Tech: Socket.io, Node.js, AngularJS, TypeScript, PostgreSQL, Redis
- Impact: 30% faster response time, 40% backend performance improvement

BrightLift AI - AI-powered marketing automation platform

- Tech: React, Next.js, Node.js, FastAPI, PostgreSQL, Redis
- Impact: 20% increase in ROAS, 80% reduction in setup time

Rekon - Face-recognition and image-processing system

- Tech: Node.js, React, PostgreSQL, Docker, AWS Rekognition, Face++
- Impact: Fast matching (<5s), scalable image pipeline

Retail Sparks - Stock market sentiment and trend analysis tool

- Tech: Python (FastAPI), AWS Lambda, Hugging Face BERT, React
- Impact: 10K+ posts analyzed daily, 25% engagement growth

Technical Skills

Languages: JavaScript, TypeScript, Python, SQL, HTML/CSS

Frontend: React.js, Next.js, AngularJS

Backend: Node.js, Express, FastAPI, REST APIs

Databases: PostgreSQL, Redis, MongoDB

Cloud & DevOps: AWS Lambda, Docker, Heroku, CI/CD

AI & ML: GPT-4, Hugging Face BERT, Face++ API, AWS Rekognition

Other: Socket.io, WebSocket, OAuth2, Microservices Architecture

Expertise Areas

Full-Stack Web Development

Software Architecture

API Design & Microservices

Database Engineering

AI Development

Application Security

Career Objectives

Open to software engineering roles, technical leadership positions, AI/ML development opportunities, startup ventures, and international positions where I can apply my experience, innovation, and impact-driven mindset.