Felipe Andrès

linkedin.com/in/feandres50
github.com/feandres

Email: felipevsconcelos@gmail.com
Mobile: +55 (98) 99226-2243

Programming Skills

Languages: TypeScript, JavaScript, PHP, Java, Python
Frameworks: NestJS, Node.js, Express, React, Laravel, Spring Boot
DevOps / Cloud: Docker, Docker Compose, AWS, Kubernetes, Terraform
Databases: PostgreSQL, MySQL, MongoDB
Monitoring / Observability: Prometheus, Grafana, Kibana
Architecture: DDD, SOLID, Clean Architecture
Tools & Others: Prisma, Mongoose, RabbitMQ, GraphQL, Redis, Power BI, Agile, Scrum, Git

Experience

- **State Health Department of Maranhão (SES/MA)** — São Luís, Brazil
  Software Engineer — *Oct 2023 - Present*
  - **Hospital Notification System**: Developed a Laravel/PostgreSQL/REDIS system with 2FA and RBAC, applying solid knowledge in scalable backend design; 40,000+ records/year, adopted by 100+ hospitals.
  - **Social Assistance Program**: Built a real-time tracking platform for 100,000+ families across 217 municipalities using Laravel, REDIS and Docker.
  - **Health Indicators Platform**: Integrated public health datasets and embedded 50+ Power BI dashboards into a web platform with RBAC for strategic decision-making.
  - **Leprosy Monitoring System**: Created a surveillance tool with dynamic filters and geographic reports for state-wide leprosy case tracking.

- **State Health Department of Maranhão (SES/MA)** — São Luís, Brazil
  Intern — *Aug 2023 – Oct 2023*
  - **HR Management System**: Built internal system for managing staff, contracts, and vacations with secure access (2FA, RBAC) for 1,000+ professionals.

Projects

- **Dynamic QR Code Generator** — Jan 2025 - Feb 2025
  TypeScript, Nodejs, PostgreSQL, Docker
  - **Development**: Developed a URL shortener and QR code image generator API using NestJS
  - **Features**: Implemented dynamic QR codes with customizable redirection and metadata tracking

- **Bed and Breakfast Management Tool** — Feb 2025 - Aug 2025
  TypeScript, NestJS, PostgreSQL, Docker
  - **System**: Built a reservation system with support for seasonal pricing.
  - **Authentication**: Implemented OAuth and OTP authentication, with RBAC for admin and staff

- **Distributed Health Notification System** — Feb 2025 - Present
  NestJS, PostgreSQL, Docker, RabbitMQ, AWS, Prometheus, Grafana, ELK
  - **Event-driven Architecture**: Refactored a monolithic PHP/Laravel health system into a distributed, event-driven microservices architecture using NestJS and RabbitMQ
  - **Security and Observability**: Implemented RBAC and 2FA across services; integrated Prometheus, Grafana, OpenTelemetry, and ELK for full observability
  - **Containerization and CI/CD**: Used Docker for service isolation and GitHub Actions for CI/CD; deployed to cloud infrastructure with AWS and Terraform

Education

- **Universidade Federal do Maranhão** — São Luís, MA
  Bachelor in Computer Science — *Jul 2019 - Dec 2025*
  Data Structures, Algorithms, Operating Systems, Software Engineering, Networks, Database, Machine Learning, Cloud Computing