

# Rafael Mandel

Software Engineer | Backend Engineer | Java & Spring Boot

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## PROFESSIONAL SUMMARY

Software Engineer with experience building scalable backend systems in healthcare environments using Java, Spring Boot, Python, and Django. Strong background in RESTful APIs, cloud infrastructure (AWS), microservices architecture, and CI/CD automation. Proven track record of improving system scalability, reducing infrastructure costs, and delivering high-quality software in agile environments. C1 Advanced English proficiency.

## TECHNICAL SKILLS

Java, Spring Boot, Python, Django, Node.js, RESTful APIs, SQL, PostgreSQL, MongoDB, NoSQL, Relational Database, Non-Relational Database, React, AWS, Docker, Git, CI/CD, Microservices, Agile Methodologies, Software Architecture, Quality Assurance, Technical Communication, Problem Solving, Systems Integration

## PROFESSIONAL EXPERIENCE

### Software Engineer

Sept 2025 – Present

Hospital São Rafael

- Designed and developed a scalable RESTful API platform integrating medical systems and devices across departments
- Built backend services with Django and Spring Boot deployed on AWS, improving system availability and reducing processing latency
- Established CI/CD pipelines that automated deployments and reduced production incidents
- Conducted code reviews and proactively resolved critical production issues, improving overall software reliability

### Software Engineer

Aug 2024 – Jul 2025

Sabará Children's Hospital

- Developed a secure telemedicine platform supporting daily video consultations and AI-assisted medical reports
- Scaled AWS infrastructure to support 3x more concurrent users while reducing infrastructure costs by 30%
- Delivered 24 consecutive agile sprints with automated CI/CD and maintained 80%+ test coverage
- Optimized PostgreSQL queries, significantly improving response times

### Software Engineer

Feb 2026 – Present

Sociedade Espírita Rafael Lirio

- Desenvolvi portal web centralizado com Java e Spring Boot para gestão de informações, consolidando dados antes dispersos em 2 sistemas diferentes
- Implementei sistema robusto de autenticação e controle de permissões baseado em roles, integrando APIs externas e garantindo segurança de dados sensíveis
- Modelei e otimizei banco de dados relacional (PostgreSQL), e automatizei 8 processos internos manuais, reduzindo tempo operacional em 60%

## EDUCATION

### B.S. in Software Engineering

Expected Graduation: 2028

FIAP – Paulista School of Information Technology and Administration