

# CARLOS ZOMER

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## Professional Summary

Software Engineer with 3+ years of experience in full-stack development and backend systems. Specialized in Java/Spring Framework, microservices architecture, and database management. Successfully transitioned from internship to permanent role at PagBank, demonstrating strong performance and technical growth. Two-time hackathon winner in system sustainability and operational excellence fields. Currently pursuing advanced studies in Systems Analysis and Development.

## Professional Experience

### Software Engineer Trainee

Apr 2025 – Present

*Pagbank*

*São Paulo, Brazil*

- Led backend implementation of financial product and service offerings in a system with over 7,000 active sellers serving thousands of customers through the platform
- Developed backend solutions to drive new card reader acquisition methods, working with the team to deliver critical features for large-scale operations

### Software Engineering Intern

Mar 2024 – Apr 2025

*Pagbank*

*São Paulo, Brazil*

- Modernized monolithic legacy systems by implementing microservices architecture using Java, Spring Framework, and Apache Kafka, improving the scalability and maintainability of the system responsible for the sale of acquisition equipment that transacts an average of over R\$ 350 billion every six months
- Resolved critical production incidents through log analysis using Splunk and message reprocessing via RabbitMQ queues
- Created and optimized Oracle PL/SQL scripts for database maintenance and incident resolution, ensuring data integrity across systems
- Successfully promoted to permanent position as Software Engineer Trainee based on outstanding performance and technical contributions

### Trainee Web Developer

Sep 2022 – Jul 2023

*Agromais Agribusiness Management Software*

*Santa Rosa, Brazil*

- Collaborated with clients to analyze business requirements and translate them into technical specifications for software development
- Built full-stack applications using Java Spring Framework, Angular with TypeScript, and JasperReports for automated business reporting
- Developed a real-time helpdesk application to improve customer support efficiency and user experience
- Designed and implemented PostgreSQL database schemas using DDL/DML scripts for optimal data management and performance
- Created comprehensive technical documentation to facilitate knowledge transfer and streamline feature implementation

## Education

### Pontifical Catholic University of Rio Grande do Sul

Feb 2025 – Present

*Technologist Diploma in Systems Analysis and Development*

*Remote*

## Technical Skills

**Programming Languages:** Java, Go, TypeScript, PL/SQL, Python, C

**Frameworks & Libraries:** Spring Framework, Angular, NestJS

**Databases:** Oracle, PostgreSQL

**Tools & Technologies:** Git, Kubernetes, Jenkins, Apache Kafka, RabbitMQ, Splunk, AWS

**Development Practices:** Microservices Architecture, RESTful APIs, Agile Methodologies, CI/CD, Design Patterns

## Achievements & Recognition

### Pagbank Internal Hackathon Winner | *System Sustainability & Monitoring Platform*

2024

- Designed and conceptualized a comprehensive monitoring solution to enhance system sustainability and real-time visibility across multi-tiered support levels (N1, N2, N3)
- Developed strategy to reduce BACEN (Brazilian Central Bank) complaints and improve client trust through proactive incident detection and resolution
- Created innovative approach to streamline IT support workflows and enhance operational transparency

### Hackathon 3771 Winner | *Tourism Innovation Solutions*

2023

- Led winning team in developing innovative tourism sector solutions for Rio Grande do Sul's northwest region
- Collaborated with industry mentors and demonstrated problem-solving skills in competitive environment