

# 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

### Trainee Software Engineer

*Pagbank*

**Apr 2025 – Present**

*São Paulo, Brazil*

### Software Engineer Intern

*Pagbank*

**Mar 2024 – Apr 2025**

*São Paulo, Brazil*

- Modernized legacy monolithic systems by implementing microservices architecture using Java, Spring Framework, and Apache Kafka, improving system scalability and maintainability
- Developed backend solutions for product acquisition services, handling high-volume transactions and ensuring system reliability
- Resolved critical production incidents through advanced 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 Trainee Software Engineer role based on outstanding performance and technical contributions

### Trainee Web Developer

*Agromais Agribusiness Management Software*

**Sep 2022 – Jul 2023**

*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

*Technologist Diploma in Systems Analysis and Development*

**Feb 2025 – Present**

*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

**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