Robert Taylor

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Professional Summary

Purpose-led company with a Values-focused culture, where your work matters and your growth is supported. I have 11 years of experience in the software industry, specializing in backend development and API design. I have led a team of developers in the design and implementation of scalable and secure backend systems and APIs primarily using Java and Spring frameworks. I have a proven track record of delivering high-quality solutions that meet business needs. I am passionate about innovation and continuous learning, and I am eager to join a dynamic and forward-thinking organization.

Professional Experience

Senior Backend Engineer
FinTech Startup (Boston, MA)
2019-01-01 - Present
■ • Led the development of a payment processing system that processed $100M+ in transactions, resulting in a 15% increase in conversion rate. • Implemented a microservices architecture that reduced latency by 20% and improved scalability by 30%. • Optimized the API design and implementation, resulting in a 10% reduction in response time. • Implemented a domain-driven design approach, resulting in a more maintainable and scalable backend system. • Delivered a comprehensive API documentation that covered all aspects of the system, including API endpoints, data models, and error handling. • Reduced the onboarding time for new developers by 25% by creating a comprehensive onboarding program that covered all aspects of the backend system.
■ • Led the design and implementation of a secure payment processing system that processed $100M+ in transactions, resulting in a 15% reduction in processing time and a 20% increase in customer satisfaction. • Architected and implemented a microservices architecture for a backend system, consisting of microservices for payment processing, order management, and inventory control. • Implemented Domain Driven Design (DDD) principles to ensure loose coupling and improved maintainability of the backend system. • Optimized the performance of the backend system by 20%, reducing response times from 10 seconds to 5 seconds. • Implemented a comprehensive security framework that included penetration testing, secure coding practices, and adherence to industry standards. • Delivered a high-quality API that integrated seamlessly with the existing backend infrastructure, enabling seamless application deployment.
■ Enhanced Responsibility Statements: • Led the design and implementation of a scalable payment processing system, resulting in a 100% increase in transaction processing volume within 12 months. • Architected and implemented a microservices architecture for a backend service, reducing development time by 20% while maintaining code modularity. • Implemented a robust domain-driven design (DDD) framework, resulting in a 15% improvement in code maintainability and readability. • Optimized the backend architecture for performance, reducing response times by 20% while maintaining scalability. • Implemented a secure cloud-native architecture on AWS, ensuring a 99.9% uptime and improved performance. • Delivered a comprehensive API documentation that reduced onboarding time for new developers by 30%. • Implemented a comprehensive testing framework, reducing bug detection time by 30%. • Optimized the backend architecture for performance, resulting in a 15% improvement in user experience.

Software Engineer
Banking Solutions (Boston, MA)
2017-01-01 - 2019-01-01

■ • Led a team of developers in the design, development, and deployment of scalable and secure backend systems using Spring Boot and microservices architecture. • Implemented real-time market data feeds, reducing latency by 20%. • Optimized system performance by 30%, resulting in a 15% increase in user satisfaction. • Developed a robust API for the fitness industry, reducing development time by 25%. • Implemented a secure coding practice, resulting in a 95% reduction in security vulnerabilities. • Reduced project backlog by 30% through improved collaboration and task prioritization.
■ • Led the development of robust data processing pipelines, resulting in a 15% reduction in processing time and a 20% improvement in data accuracy. • Implemented a real-time market data feed integration, reducing latency by 20% and enhancing trading efficiency. • Architected and delivered a scalable and secure backend system for a financial trading platform, handling over 1 million transactions per day. • Optimized the performance of a legacy application by implementing a domain-driven design approach, resulting in a 10% increase in user engagement. • Implemented a microservices architecture for a new e-commerce platform, reducing development time by 25% and ensuring seamless integration with cloud platforms.

Junior Developer
Investment Platform (Boston, MA)
2016-01-01 - 2017-01-01
■ • Led the development of a scalable and high-performance API for portfolio management, resulting in a 20% increase in user engagement and a 15% reduction in transaction processing time. • Architected and implemented a microservices architecture for backend systems, reducing development time by 30% and improving scalability by 25%. • Implemented a robust domain-driven design (DDD) framework, resulting in a 10% improvement in code maintainability and a 15% reduction in technical debt. • Optimized the performance of the backend system by 10%, reducing response times by 50%. • Implemented a comprehensive security review process, identifying and resolving a critical vulnerability within 24 hours. • Delivered a new feature for the billing platform, which resulted in a 10% increase in customer satisfaction and a 5% reduction in churn rate.
■ • Led a team of developers in the design, development, and deployment of scalable and secure backend systems and APIs, primarily using Java and Spring frameworks. • Architected a microservices architecture for backend systems and integrated them with AWS cloud platform, Kafka, and Kubernetes. • Implemented Domain Driven Design (DDD), Object-Oriented Design (OOD), and proven design patterns for building robust backend services. • Developed and implemented event-driven architecture and integrated with tools like Kafka. • Achieved a 25% improvement in application performance through optimization and code refactoring. • Implemented a new security monitoring system that detected and prevented a critical security breach. • Optimized the database performance by 15% through data modeling and indexing. • Designed and implemented a new API gateway that reduced latency by 20%.

Education

Master of Science in Computer Science
MIT

Skills

technical:
Backend Development, Microservices Architecture, API Design

soft:
Leadership, Communication

tools:
Docker, Kubernetes, Jenkins

languages:
English (Fluent), German (Intermediate)]