

Summary

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Backend Software Engineer with 4+ years building high-scale production systems serving millions of users. Proven expertise in Java, Spring Boot, AWS cloud infrastructure, and distributed systems architecture. Strong foundation in algorithms, data structures, and software engineering fundamentals with experience building, deploying, and debugging production services with high availability requirements.

Experience

SellWizr

June 2025 – Present

Backend Software Engineer Intern

New York, NY

- Built enterprise backend microservices using Java and Spring Boot with Docker containerization, achieving 40% deployment efficiency improvement and 99.5% uptime through robust production system design and infrastructure as code practices.
- Developed scalable backend services using Java with AWS cloud infrastructure (EC2, S3, Lambda), implementing high availability architecture serving 100K+ concurrent users with comprehensive monitoring and alerting systems.
- Implemented comprehensive testing strategies achieving 98% code coverage with test-driven development practices, demonstrating strong software engineering fundamentals and commitment to production system quality and reliability.

Site Service Software

Aug 2024 – Apr 2025

Backend Software Engineer Intern

San Francisco, USA

- Spearheaded backend migration from legacy systems to modern Spring Boot and PostgreSQL architecture, achieving 40% performance improvement through database optimization, query tuning, and distributed system design principles.
- Developed 20+ RESTful APIs using Java and Spring Boot with comprehensive validation and documentation, optimizing database queries and reducing response times by 30% in high-throughput production environments.
- Collaborated with cross-functional teams including product, design, and data engineering to deliver end-to-end backend features, implementing infrastructure as code and automated deployment pipelines for production systems.

meetX

Nov 2023 – July 2024

Backend & Infrastructure Engineer Intern

San Francisco, USA

- Built production backend services using Java and AWS cloud platform (EC2, S3, CloudWatch), implementing scalable architecture patterns and automated monitoring systems for high-availability consumer applications.
- Developed real-time data processing systems with Java frameworks, achieving 35% performance improvement through algorithm optimization and efficient data structure implementation in distributed environments.
- Implemented production monitoring and alerting systems using AWS CloudWatch and custom Java applications, ensuring system reliability and rapid incident response for consumer-facing services.

Glitter Fund

Jan 2023 – Dec 2023

Backend Software Engineer Intern

San Francisco, USA

- Led backend development for financial platform using Java, Spring Boot, and PostgreSQL, integrating external APIs and maintaining 99.9% uptime through robust production system architecture and comprehensive testing.
- Engineered real-time data processing algorithms deployed on AWS with Java backend services, optimizing system latency by 30% through efficient algorithm design and database optimization techniques.
- Implemented advanced caching strategies using Redis and database optimization with PostgreSQL, improving response times by 45% under high load through production-grade backend system design.

Technical Projects

Enterprise API Gateway - Production Backend System — [Link to GitHub](#)

- Architected enterprise-grade API Gateway using Java, Spring Boot, and Redis caching with advanced rate limiting and load balancing, achieving 99.5% availability and 40% latency reduction in high-traffic production environments.
- Implemented comprehensive monitoring, logging, and alerting systems with AWS CloudWatch integration, demonstrating expertise in building production systems with high call rates and robust infrastructure as code practices.

Dex Pay - Distributed Payment Backend System — [Link to GitHub](#)

- Built complete payment processing backend system using Java, Spring Boot, and PostgreSQL with real-time transaction validation and comprehensive security measures, demonstrating strong software engineering fundamentals and production system design.
- Implemented scalable microservices architecture with comprehensive testing coverage, database optimization, and external API integrations, showcasing ability to build and debug production systems at scale with high availability requirements.

ConnectX - Real-Time Communication Backend — [Link to GitHub](#)

- Developed real-time messaging backend using Java, Spring Boot, and WebSocket technology with PostgreSQL database, implementing secure authentication and high-performance data processing for concurrent user sessions.
- Built scalable backend architecture with comprehensive error handling and monitoring systems, demonstrating expertise in algorithms, data structures, and production system design for high-availability consumer applications.

SafeWalk - Data Processing Platform Backend — [Link to GitHub](#)

- Engineered real-time data processing backend using Java and Spring Boot with external API integrations and AWS deployment, implementing efficient algorithms for large-scale data processing and real-time analytics.
- Built production-ready backend services with comprehensive testing, monitoring, and documentation, showcasing strong software engineering practices and ability to evaluate systems for future scalability requirements.

Technical Skills

Backend Development: Java, Spring Boot, RESTful APIs, Microservices Architecture, JVM Languages, Algorithms & Data Structures

Cloud & Infrastructure: AWS (EC2, S3, Lambda, CloudWatch), Infrastructure as Code (IaC), Docker, Production Systems, High Availability

Databases & Storage: PostgreSQL, MySQL, Redis, Database Optimization, Query Tuning, Data Modeling

Software Engineering: Test-Driven Development, Production Debugging, Documentation, Code Reviews, Agile, Git

Education

San Francisco State University

Expected Fall 2025

Bachelor of Science in Computer Science — GPA: 3.95/4.0 — Phi Beta Kappa Honor Society

San Francisco, California

Relevant Coursework: Data Structures & Algorithms, Database Systems, Distributed Systems, Software Engineering, Operating Systems