

Anton Kronaj

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SUMMARY

Senior software engineer with 12 years building and operating high-throughput, always-on systems for multi-tenant SaaS platforms in regulated industries. Deep Java/Spring expertise with hands-on experience re-architecting message-driven pipelines, tuning JVM & database performance. Owned production services end-to-end, from design and CI/CD through on-call incident response. Comfortable working in evolving environments, partnering across engineering, product, and SRE, and using AI-assisted development tools to accelerate implementation after design decisions are made. Ramping Kotlin intentionally as part of professional development for my loop project.

SKILLS

Languages: Java, JavaScript, TypeScript, Bash, Scala

Backend & Messaging: Spring Boot, Hibernate, REST APIs, RabbitMQ (AMQP), JWT

Frameworks: Angular, Thymeleaf, HTMX, TailwindCSS, Sass

Data & Search: MS SQL, Elasticsearch, Couchbase

Infrastructure & Cloud: Docker, LXC, Kubernetes, Rancher, Linux, Tomcat, AWS (IAM, SNS), GitLab CI/CD, GitHub Actions, distributed systems

Observability: ELK / Kibana, New Relic, Dynatrace, Gatling, APM

Practices: Agile, DevOps, TDD, pair programming, on-call / incident response, code review

AI-Assisted Development: Claude Code, GitHub Copilot, ChatGPT

WORK EXPERIENCE

Senior Software Engineer | CollegeNet | Portland, OR | 07/2015 - 12/2025

Owned Java/Spring/Angular B2B & B2C SaaS applications serving hundreds of higher-education customers on a regulated multi-tenant platform handling sensitive student PII. Drove architecture decisions end-to-end, wrote technical specs, and coordinated cross-functional delivery across engineering, QA, UX, and product.

- Re-architected RabbitMQ messaging infrastructure processing 1M+ messages/day, separating heavy automation workflows from interactive user traffic and improving server throughput by 25%.
- Diagnosed and resolved a production performance degradation affecting 6,000+ active users by tuning Tomcat GC configuration, shifting from stop-the-world to incremental collection & eliminating server hangs during peak traffic.
- Architected secure cross-cloud integration between Java/Spring backend and College Board AWS services using IAM authentication and Amazon SNS, eliminating manual test-score entry for college applicants.
- Implemented a secure RESTful API partner integration in Java/Spring with JWT authentication, credential rotation, and rate limiting, enforcing enterprise security controls across third-party access.
- Optimized initial page load by 33% by removing redundant HTTP requests in SmartGWT frontend through performance profiling, reducing initial page load from 6s to 4s and enhancing responsiveness.
- Debugged a cross-protocol HTTP/1.1 vs. HTTP/2 incompatibility causing PDF rendering failures in production, tracing header propagation issues through external and internal service boundaries.
- Owned Java 8 → Java 17 migration across 2 production systems and multiple services, and SmartGWT frontend upgrade (v5 → v13), balancing backward compatibility with long-term maintainability.
- Championed Dynatrace adoption, introducing distributed tracing across service boundaries and giving the team visibility into dependency failures and performance bottlenecks

- Established & hosted ELK stack for centralized log analysis with automated ingestion, accelerating incident response and surfacing previously unknown client automation failures through pattern analysis.
- Cut CI/CD pipeline execution time by ~30 minutes by establishing an internal Docker registry for custom SQL Server images, containerized applications, and GitLab runners, enabling controlled artifact management across the team.
- Spearheaded SVN-to-Git migration by deploying and maintaining self-hosted GitLab instance with CI/CD runners, using git-svn bridge and branching strategy to ensure continuous integration during infrastructure transition period.
- Unblocked incremental adoption across 10+ dependent projects by decomposing a monolithic core Java library into a modular Maven architecture with CI/CD automation, streamlining dependency management and reducing integration risk.
- Led a cross-functional team of 8+ (engineering, QA, UX, product), taking end-to-end ownership of features from customer research and technical specs through delivery & monitoring.
- Built and hosted internal React/Node.js monitoring dashboard displaying deployment versions, latest commits, and Spring Actuator endpoints, providing quick deployment visibility and open access to production service metrics.
- Containerized local development environment using Docker Compose, cutting new engineer onboarding time from 8 hours to ~4 hours by eliminating manual environment setup.
- Raised release confidence across a team of 8+ by instituting code review standards, automated testing gates, and deployment safeguards enabling any engineer to own a production release independently.

Software Engineer | Immersive Media | Washougal, WA | 04/2015 – 07/2015

- Maintained cross-platform SDKs for 360° video on Android and iOS, bridging C++ core functionality to Java via JNI.

Software Developer | ZixCorp | Dallas, TX | 03/2013 - 03/2015

Full-stack engineer on a B2B secure email platform serving enterprise clients in healthcare, financial, and government sectors.

- Delivered backend Java features for a B2B email encryption portal handling secure message delivery and recipient access across enterprise deployments.
- Modernized C# Outlook plugins to support current Microsoft Office versions while preserving backward compatibility across enterprise deployments, reducing client migration friction.
- Reduced latency by over 50% in iOS email application performance by refactoring calendar data retrieval.

EDUCATION

Temple University — Bachelors of Science, Computer Science, 2013

PERSONAL PROJECTS

Loop (*Java, Spring Boot, Thymeleaf, HTMX, Jitsi*): Open-door meeting platform enabling drop-in video conferencing for organizations, using server-sent events for real-time updates and JWT authentication. gitlab.com/anton.kronaj/loop

ResuRank (*TypeScript, Electron, Angular, ONNX Runtime*): Privacy-first desktop application scoring resume-to-job fit using hybrid ML semantic embeddings and TF-IDF keyword matching, all running locally with no cloud dependencies. Engineered secure Electron sandbox architecture with threaded inference and cross-platform auto-updating. github.com/antonkronaj/resurank

JobDash (*TypeScript, Electron, Angular, Node.js, SQLite, ONNX Runtime*): Privacy-first desktop job-search assistant using a hybrid ML scoring pipeline. 70% semantic cosine similarity via a locally-run sentence-embedding model blended with 30% TF-IDF keyword overlap. Runs fully offline. github.com/antonkronaj/jobdash

Fables (*Ruby on Rails, Hotwire*): Turn-based collaborative storytelling platform with real-time updates via Turbo Streams. gitlab.com/anton.kronaj/fables