Christopher Gorski

Senior Software Engineer | AWS & GCP Specialists
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Work Experience

Senior Software Engineer – **Allegro** *April.2025 – Present*

- *Re-platformed the checkout cluster to Spring Boot 3 (MVC) with Kafka + Outbox/Saga, halving hot-path p99 420 ms → 210 ms (-50%) at 6.5k rps; validated* **in** *Grafana + Datadog APM and k6 load runs.*
- *Introduced Redis + Caffeine cache-aside for availability/pricing, cutting DB reads -38% and saving ≈$14k/quarter in IOPS; proven via RDS Insights***,** *Redis INFO, and cost reports.*
- *Delivered zero-downtime blue/green deploys (Argo Rollouts, PDBs, readiness gates) for pricing API, taking deployment failure rate 3.1% → 0.6% and MTTR 27 → 9 min; evidence in Argo* **+** *PagerDuty timelines.*
- *Shipped OpenTelemetry traces + logs/metrics correlation across 12 microservices; cross-service debug time dropped 45 min → 12 min; measured* **in** *Jaeger/Tempo and on-call reports.*
- *Frontend: migrated legacy catalog UI from AngularJS to Angular 17 micro-frontends and built a React promo-rules editor (module federation, RxJS query, React Hook Form); LCP p75 3.2 s → 1.9 s***,** *CLS 0.14 → 0.04***;** *verified by Lighthouse* **+** *Web Vitals***.**
- *Added feature-flagged A/B price rules (Unleash + Spring Boot starter) with Micrometer business counters; conversion on targeted SKUs* **+***2.4%***;** *experiment readout in internal experimentation platform.*
- *GC and pool tuning (G1 → ZGC, Hikari), plus HTTP thread tuning; CPU* **-22%***, container requests* **-***18%, worth ≈$5.7k/month infra savings; shown in Kubernetes + Datadog dashboards.*

Senior Software Engineer – **Artisan AI** *Mar.2024 – Mar.2025*

- *Built a low-latency inference gateway (Spring WebFlux* **+** *Netty***,** *gRPC) in front of GPU workers; p95* **~***180 ms at 2.1k rps, 99.9% availability; validated via Prometheus SLOs, Grafana, k6.*
- *Implemented RAG retrieval service (Java + pgvector + Redis Bloom) with re-rank; search F1* **+***13%* *and tail p99 520 ms* **→** *260 ms; metrics from offline eval harness + APM traces.*
- *Orchestrated async embeddings/batch jobs (Kafka, Spring Cloud Stream, Outbox/Inbox), eliminating duplicate work and lowering reprocessing costs* **-***37%; confirmed by Kafka consumer lag + cost reports.*
- *AI quality: added guardrails (prompt templates, input sanitization, semantic grounding, toxicity classifier) cutting hallucination rate* **-***28%* *and policy violations* **-***62%***;** *measured by weekly eval set + human review.*
- *Shipping/runtime: containerized models on Triton* **+** *KServe, GPU autobatching + dynamic concurrency; throughput* **+***41%* *per A100 and unit cost* **-***24%***;** *numbers from Prometheus GPU/exporter + billing.*
- *Security & compliance: mTLS, per-tenant quotas (Bucket4j + Redis), SBOM (Syft/Grype) + Cosign image signing; critical CVEs -92% in 2 quarters***;** *trends from CI security gates.*
- *Frontend: built a React admin console and Vue-based prompt/playground with latency charts, eval diff views, and feature flags; PR cycle time 3.4 → 2.1 days (-38%) and post-release integration bugs* **-***41%***;** *GitHub/CI analytics.*
- *JVM footprint optimization (JLink, CDS, tiered compilation) and Alpine base; image size* **-48%***, cold-start* **-***35% for serverless workers; validated in registry stats + cold-start traces.*

DevOps Engineer – **AioCare** *Oct.2021 – Feb.2024*

- *Rolled out a Kubernetes platform (3 envs, 8 node pools) with Terraform + Helm + Argo CD, cutting deploy time 45 min → 7 min (-84%) and enabling ~20 prod releases/week***;** *verified in Argo CD history and Jira releases.*
- *Built progressive delivery (blue/green + canary 5%→25%→100%) on GitHub Actions → Argo Rollouts, reducing failed deploys by* **~72%** *and MTTR 38 min → 11 min***;** *confirmed via PagerDuty + Grafana incident timelines.*

- *Introduced SLOs (p95 API < 250 ms, error budget 1%/30d) with burn-rate alerts; lifted API uptime to 99.95**%** over 12 months and cut MTTD 12 min → 3 min; Prometheus/Grafana dashboards as evidence.*
- *Optimized cloud spend -28% YoY using HPA/VPA, spot nodes, storage lifecycle policies, and right-sizing; environment spin-up shrank 2 days → 2 hours with reusable Terraform modules; validated by Cost Explorer/Billing + CI timestamps.*
- *Shipped end-to-end observability (OpenTelemetry traces, Prometheus metrics, Loki/ELK logs) and golden dashboards per service, lowering "unknown root cause" postmortems by **~60%** and after-hours pages by **~50%**; PagerDuty analytics + RCA tags.*
- *Hardened SDLC for medical data: SBOM + image signing (Syft/Grype, Cosign), OPA/Gatekeeper policies, Vault/KMS secrets; reduced critical CVEs in images by **>90%** within 2 quarters; security scan trends used for proof.*
- *Delivered DR runbooks and quarterly game-days achieving RPO ≤ 5 min* **and** *RTO ≤ 30 min via cross-region backups and infra-as-code restores; results documented in DR drill reports.*

Software Engineer – **Spyrosoft** *Jul.2016 – Sep.2020*

- *Designed, developed, and maintained enterprise and consumer-facing applications for multiple international clients, such as a fintech dashboard for BNP Paribas, an e-commerce platform for a retail client, and a healthcare management tool for a telemedicine startup; delivered scalable solutions using React, Angular, and Vue on the front end, with FastAPI, Django, Java, and Golang powering high-performance back ends, ensuring seamless integration, security, and excellent user experience.*

Education

Master's Degree in Computer Science
Lublin University of Technology *10/2014 - 03/2016*

Bachelor's Degree in Computer Science
Lublin University of Technology *05/2010 - 09/2014*

SKills

- *Programming Languages: Java,TypeScript/JavaScript, Python, Go, SQL*
- *Frameworks & Libraries: Spring Boot 3 (MVC & WebFlux/Netty), gRPC, Micrometer, JPA/Hibernate, Reactor/RxJava, FastAPI/Django (prior), Node.js (NestJS/Fusion.js), React, Angular, Vue*
- *Cloud & Infrastructure: AWS (Lambda, S3, EC2, EKS etc), GCP, Docker, Kubernetes*
- *Database Technologies: PostgreSQL, MongoDB, MySQL, Firebase, Redis*
- *Message Queues & Real-Time Systems: RabbitMQ, Kafka, WebSocket, Firebase, SNS*
- *Security & Compliance: OAuth 2.0, JWT, SSL/TLS, GDPR*
- *DevOps & CI/CD: GitLab CI/CD, Jenkins, Travis CI, Docker, Kubernetes, AWS Lambda*
- *Testing Frameworks: JUnit, Mockito, Jest, Cucumber, Postman, Selenium*
- *Version Control & Collaboration: Git, GitHub, GitLab, Bitbucket, Jira, Confluence*
- *Monitoring & Logging: Prometheus, Grafana, AWS CloudWatch, Datadog*