

LEV POLSHKOV

SENIOR SOFTWARE ENGINEER | BACKEND, FULL-STACK, APIs & AWS

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PROFESSIONAL SUMMARY

Senior Software Engineer with 8 years of experience building and supporting business-critical platforms across airline operations, automotive delivery and installation, logistics, and digital commerce. Strong hands-on experience with TypeScript, Node.js, Java, Spring Boot, React, Angular, GraphQL, REST APIs, event-driven systems, SQL, and AWS. Proven track record translating operational requirements into scalable services, owning production reliability and root-cause analysis, and delivering through testing, code review, CI/CD, and technical documentation.

TECHNICAL SKILLS

Languages & Frameworks: TypeScript, JavaScript, Java, Python, SQL, Node.js, NestJS, Spring Boot, Django

Frontend & Mobile: React, Next.js, Angular, React Native, Swift, Flutter, Redux, NgRx, RxJS

APIs & Architecture: REST, GraphQL, API Gateway, microservices, event-driven architecture, WebSockets, OAuth 2.0

AWS & Cloud: Lambda, Kinesis, SQS, SNS, EventBridge, Step Functions, S3, RDS, DynamoDB, CloudWatch, IAM, EC2, Elastic Beanstalk

Data: PostgreSQL, MongoDB, Redis, Elasticsearch

Testing & Delivery: Jest, React Testing Library, Jasmine, Karma, Cucumber, Enzyme, Git, GitHub, CI/CD, JIRA, Agile

PROFESSIONAL EXPERIENCE

Southwest Airlines | Senior Software Engineer | Jul 2024 - Present

Aircraft ground operations systems | Business-critical operational workflows and integrations

- Design and support integrations across aircraft turn execution, holds, charter operations, resource workflows, and fuel-ticket processing, translating Ground Operations requirements into resilient technical solutions.
- Build and modernize Node.js/TypeScript and Java/Spring Boot services, REST and GraphQL APIs, and event-driven data flows using AWS Lambda, API Gateway, Kinesis, SQS, EventBridge, DynamoDB, and S3.
- Own production support and root-cause analysis for operationally critical applications, using CloudWatch metrics, logs, and queue-level diagnostics to isolate integration failures and restore service.
- Improve reliability through unit, integration, and regression testing with Jest and React Testing Library, including modernization of legacy test suites and runtime upgrades.
- Contribute to technical designs, code reviews, Git-based delivery, CI/CD pipelines, documentation, and cross-team release coordination in a regulated, high-availability environment.

Polestar | Senior Software Engineer (Contract) | Dec 2023 - Jul 2024

Customer delivery and EV charger installation platform | Fulfillment and after-sales workflows

- Implemented API-driven workflows connecting customer experiences with vehicle delivery and EV charger installation processes using Angular, Next.js, Node.js, TypeScript, and AWS microservices.
- Designed cloud integrations with Lambda, S3, EC2, Elastic Beanstalk, IAM, and security groups to improve platform scalability, reliability, and access control.
- Optimized PostgreSQL workloads on Amazon RDS and developed SQL-backed data flows that preserved integrity and responsiveness across fulfillment-related operations.
- Established reusable engineering patterns and continuous delivery pipelines, partnering across product and engineering teams to move functional requirements into production safely.

Spirit Airlines | Senior Software Engineer | Dec 2022 - Dec 2023

Spirit.com booking platform | High-volume customer and pricing integrations

- Implemented a GraphQL integration layer across booking microservices, reducing API calls by 60% while simplifying complex flight, pricing, and customer data requirements.
- Integrated Amazon Elasticsearch Service to improve the speed and accuracy of flight and fare retrieval in a high-volume booking environment.
- Delivered Angular booking-engine features with reactive forms, reusable components, and NgRx state management, balancing customer experience with maintainable engineering design.
- Created unit and regression test coverage with Jasmine and Karma, reaching 90% coverage for key components and strengthening release confidence.

Ontheway GmbH | Software Engineer | Jul 2021 - Dec 2022

On-demand delivery marketplace | Order, courier, payment, routing, and fulfillment workflows

- Built Node.js and MongoDB services for order matching, courier assignment, real-time tracking, and payment processing across a two-sided delivery platform.
- Integrated GPS, mapping, WebSocket, and Firebase services to automate routing, status updates, courier availability, and customer notifications.
- Developed AWS Lambda and S3 workflows supporting scalable, low-latency order and fulfillment operations across mobile clients.
- Implemented secure payment integrations for customer transactions and courier payouts, with production debugging and operational support.

UWatch.live | Software Engineer | Oct 2018 - Jun 2021

Streaming and digital rewards platform | Web applications, APIs, and production support

- Developed web applications and backend integrations using Python/Django, Node.js/Express, TypeScript, React, Next.js, and REST APIs.
- Created reusable user-interface components and state-management patterns with React, Redux, and React Router for responsive single-page applications.
- Wrote unit tests with Jest and Enzyme, used Git-based workflows, and diagnosed defects in development and production within Agile delivery teams.