Andrey Novov

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Objective	**Senior Java Developer**
Summary of Qualifications	Senior Java Developer with an MSc in Computer Science and 10+ years' experience in software development, including 7+ years in capital-markets fintech. I specialize in designing and implementing high-throughput, cloud-native collateral management systems - most recently co-building a full rehypothecation engine from scratch as part of a three-engineer team. My core strengths include Spring Boot microservices, Kafka/Flink stream processing, Kubernetes deployments, and CI/CD automation with Jenkins and Ansible. I'm equally comfortable in Kanban and Scrum teams of up to 10 engineers and thrive on simplifying complex workflows into resilient, single-JVM services.
Skills	Java · Akka Framework · Apache Flink · Ansible · Apache Ignite · Apache Kafka · Spring Boot · Angular · Trading · Oracle Database · Prometheus.io · Microservices · CI · Kubernetes · Apache ZooKeeper · Jenkins · Angular CLI · FinTech · Equity Capital Markets · Rehypothecation · Ag-Grid
Professional Experience	**Senior Software Engineer** BNP Paribas Securities, Lisbon, banking 10.2020–present
	Responsibilities: Prime-Broker Collateral Management Platform • Developed end-to-end rehypothecation engine for prime-broker collateral management from scratch - Ingested client and firm position feeds (Kafka streams & DB snapshots), merged exposures and enriched with market data (price lookups, FX rates, legal-entity mappings) - Applied business rules to identify assets eligible for reuse ("rehypothecation") and output a finalized collateral list for downstream booking systems • Containerized and deployed four Java microservices on on-premises Kubernetes clusters (Docker & Helm), and automated CI/CD pipelines using Jenkins, GitLab CI, and Ansible • Developed and maintained four Spring-based services (Spring Boot, Spring Data, Spring Security, Spring Cloud)—two core services (legacy & greenfield) and two supporting enrichment/workflow modules • Built internal dashboards using Angular and TypeScript, leveraging RxJS for reactive data handling and Webpack for build automation

	• Ensured high availability and performance with Apache Zookeeper coordination, Caffeine and Apache Ignite caching layers, and low-latency stream processing via Kafka and Flink (Spark in legacy systems) • Collaborated in two Agile teams—a 6-person Kanban team for legacy support and a 10-person Scrum squad for greenfield development **Accomplishments**: • Boosted system performance by optimizing the use of Akka Streams and reducing latency in data processing; • Consolidated the entire data-processing workflow into a single high-performance JVM service, simplifying deployment and reducing operational overhead, leading to increased system coherence and efficiency; • Improved communication pipelines with upstream and downstream systems, enabling more reliable data flow ; • Contributed to full-stack development with Angular, improving user interface responsiveness and usability .
	Java Developer T-Systems CIS, telekom 03.2018-10.2020
	Development exceptional software solutions to specified end user business requirements, unit testing writing. Participating in software upgrade using cutting edge technology: Spring with microservices (data, config, cloud), Kafka, Eureka, Docker.
	Software Developer UCMS Group Russia, consulting 03.2014-08.2018
	- Development business logic; - Reviewing and improving existing code; - Finding and fixing bugs; - System integration (separate modules with MS Axapta, MS Navision and SAP); - A project management as well as a development and technical support of the customer applications; - A gathering and clarification of all customer requirements to formulate business specifications and translating those into the business functionality for the applications; - A meeting and presentation providing with all level company management for the discussion and further customer application development; - A workflow company analysis using a business process modeling notation(BPMN).

	ERP Software Engineer 03.2012–03.2014 LLC «Buhta», ERP software development
	Responsibilities: • Program modifications and enhancing of the program efficiency; • The information analysis using the OLAP Cube design (SSAS); • ERP System implementation; • Development of technical documentation; • Gathering, translating and simplifying requirements; • A close customer support with a high quality service. **Accomplishments:** • Development and maintenance a business process for 7 companies simultaneously; • ERP systems implementations for 2 companies.
Education	2004 - 2009, Bsc in economics, Ufa State University of Economics and Service 2014, Applied Informatics, Post Graduate Study 2016 - 2018, MSc degree in Computer Science, Peter the Great St.Petersburg Polytechnic University
Language skills	English: professional working proficiency (B2), Russian: native