

Dmitri Aronson - Tech Lead | Full-Stack Developer

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Profile / Summary

I'm a Software Engineer and Tech Lead with over 15 years of experience consulting for startups, banks, and large enterprises. I've designed and developed distributed cloud-native systems, led teams and coached staff, improved client release cadence and agile processes. With expertise in software architecture and development, cloud infrastructure, and modern development practices, I specialise in delivering high-performance, secure, and cost-effective solutions tailored to customer needs, while enhancing team efficiency and fostering a collaborative culture. I am now seeking a permanent position where I can leverage my experience and skills to make a meaningful impact and contribute to long-term success.

Key Skills

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| <ul style="list-style-type: none">▪ System Architecture & Design▪ Cloud & DevOps (AWS, GCP, Docker, Kubernetes, Serverless)▪ Full Stack Development (Frontend & Backend)▪ Observability and Monitoring▪ System Performance Optimisation | <ul style="list-style-type: none">▪ Security Audit and Hardening▪ Incident Management▪ Team Leadership and Collaboration▪ Coaching & Mentoring |
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Technical Skills

TypeScript/JavaScript, Golang, Python, Java, Bash, Kubernetes, Cloud platforms (AWS, GCP, IBM Cloud), Helm, Terraform, GitOps, Big Data (Apache Spark and Kafka, AWS EMR, Google BigQuery, Data Warehousing), SQL/NoSQL Databases, Message queues (Kafka, Rabbit MQ, GCP PubSub, AWS SQS and SNS), Monitoring (Grafana, Prometheus, Datadog), Linux, HTML/CSS and so on and so forth...

Work Experience / Career History

Apr 2023 to Present: OVO Energy: Senior Full-Stack Developer (contract)

OVO Energy is a leading energy supplier, focused on providing sustainable energy solutions to residential and business customers.

I managed the Exports team's infrastructure, CI/CD, and platform tooling in Python and TypeScript. I reworked the CI/CD pipeline and introduced GitOps practices, cutting deployment times and enhancing the developer experience. By implementing monitoring, alerting, and improving logging quality, I helped reduce incidents and on-call response times. I strengthened platform security by enforcing best practices, implementing access controls, integrating vulnerability scanning, and safeguarding sensitive data. Additionally, I optimised GCP costs by identifying areas for reduction. Through knowledge-sharing sessions and ongoing guidance, I introduced engineers to modern cloud-native engineering practices, equipping them with the skills to work effectively with Docker, Kubernetes, Helm, and related technologies. As a result, I was invited to implement these practices in a new greenfield project and help to design a reusable internal NodeJS/Kubernetes application template for all engineers at OVO.

Jun 2022 to Apr 2023: Shell Recharge Solutions: Senior Full-Stack Developer (contract)

Shell Recharge Solutions offers rapid, award winning chargers that typically charge most EVs in approximately 30 minutes.

As a Senior Full-Stack Developer with expertise in Kubernetes, cloud engineering, and payment systems, I helped the Payments team deliver an AWS-hosted serverless event-driven payment system for EV charging points written in NodeJS and updated their legacy services to meet modern standards. I migrated legacy Scala backend and NodeJS/React frontend applications to a shared Kubernetes cluster, aligning them with cloud-native standards. I completely revamped monitoring, providing the business and SRE teams with dashboards to track SLAs, service status, and performance, as well as implementing appropriate alerting in case of failures. I conducted security and performance audits to ensure compliance with enterprise-level standards. My in-depth understanding of the legacy system allowed me to document it thoroughly, providing the team with a clear overview of the architecture for the first

time. I coached and mentored junior developers on best practices, security, and AWS services through knowledge-sharing sessions, pair programming, and code reviews. I advised on CI/CD best practices and created pipelines for deploying AWS CDK stacks. Additionally, I supported Agile practices, including backlog refinement, sprint planning, and retrospectives. As a result, my contributions enhanced software quality, security, reliability, team collaboration, and engineering standards, ultimately improving product experience for customers and boosting team performance.

Jun 2021 to May 2022: Mode Banking: Senior Full-Stack Developer (contract)

Mode Banking is the all-in-one, trusted UK app to buy, earn and grow crypto. It is FCA registered.

I was brought into the team to provide expertise in Open Banking specifications and cloud-native engineering, driving the implementation of a solution that enabled customers to purchase cryptocurrencies through the Open Banking payment flow. I enhanced the existing event-driven architecture by integrating a new microservice within the AWS EKS cluster, developing an AWS Lambda function for seamless transactions, and extending the ReactJS application to incorporate the payment journey. Post-release, I worked closely with the product team to deliver the best possible user experience for this feature.

Feb 2020 to Mar 2021: Sapient (Lloyds Banking Group): Tech Lead (contract)

Sapient is a leading digital transformation company, known for its work with clients such as Lloyds Banking Group.

I was engaged as Tech Lead for the FPS and BACS team, responsible for building a cloud-native digital payment solution for Lloyds Banking Group. Collaborating with solution architects, I provided cloud engineering expertise to ensure high standards in security, observability, and architectural solutions. I worked closely with Lloyds' product team to refine requirements and create a detailed work backlog for development. I led two functional teams of six developers, coordinated with other teams in the workstream, and actively contributed to development using TypeScript and Python. I created CI/CD pipelines for releasing applications to the Kubernetes cluster in GCP and provisioned infrastructure using Terraform. I supported Scrum Masters during Agile ceremonies, ensuring adherence to delivery best practices. Additionally, I coached and mentored the team through pairing exercises, knowledge-sharing sessions, and code reviews. During the FPS certification phase, I collaborated with the delivery lead and client's QA team to secure VISA certification and complete the first successful payment.

Feb 2018 to Sep 2019: Sapient (Lloyds Banking Group): Senior Full-Stack Developer (contract)

Sapient is a leading digital transformation company, known for its work with clients such as Lloyds Banking Group.

I joined the PISP team to lead the development of Node.js microservices and a React application as part of a cross-functional team implementing Open Banking API specifications for domestic and international payments. By developing a boilerplate for REST API services that incorporated best practices and was adopted across all teams, I ensured adherence to high code quality, performance optimization, effective monitoring, security standards, and best practices throughout the workstream. I collaborated closely with the client's product team and QA engineers to refine requirements, address feedback and defects, and deliver efficient, reliable software, fully compliant with regulatory deadlines.

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Jan 2017 to Oct 2017: Moneyfarm: Lead Full-Stack Developer (contract)

Moneyfarm is an online investment advisor and one of the largest digital wealth management companies in Europe. It is regulated by the FCA and CONSOB.

I was brought in to lead a JavaScript team tasked with refactoring a legacy Grails monolith into an AWS-hosted Node.js microservice and an AngularJS application. I recruited, led, and mentored a team of three developers, overseeing backlog refinement, planning, and workload management. I collaborated with the Scala team to ensure seamless integration across services and built CI/CD pipelines to streamline the release process. We successfully delivered both a proof of concept and the final implementation within tight deadlines, improving the customer-facing portal's performance, monitoring, security, and delivery speed, while reducing bugs and simplifying the tech stack.

Earlier Career

- 09/2016 to 01/2017: Just Eat: Senior Full-Stack Developer (contract)
- 08/2015 to 09/2016: Quidco: Senior Full-Stack Developer (contract)
- 02/2014 to 09/2015: Universal Music Group: Lead JavaScript Developer (contract)
- 06/2012 to 02/2014: UI Centric: Tech Lead (contract)
- 10/2011 to 06/2012: UI Centric: JavaScript Developer (contract)
- 2007 to 2011: Web design and development for small businesses in Tallinn, Estonia

Education

- 2006 to 2009: Tallinn University, Estonia: Linguistics (BA)

Personal Information

- Location: London, UK | Languages: English (fluent); Estonian (fluent)