IVAN ANDRUKH
Senior Senior Full-Stack Engineer | Technical Lead | Engineering Manager

SUMMARY

Proven Full-Stack Engineer with over 7 years of experience in building robust, secure, and scalable systems. Has a strong background in team leadership and project management, ensuring timely delivery within scope and budget. Holds a Master's degree in Computer Engineering complemented by advanced technical skills across a myriad of technologies including AWS, TypeScript, JavaScript, React, Node.js, and Microservices. Experienced with a variety of databases such as SQL, MongoDB, and DynamoDB, and tools like Docker, Kubernetes, and Terraform for DevOps. Demonstrates a keen ability to integrate third-party services and has a solid foundation in continuous integration and delivery practices.

TECHNICAL SKILLS

Main Technical Skills	Azure (3 yr.), TypeScript (7 yr.), JavaScript (7 yr.), React (3 yr.)
Programming Languages	JavaScript (7 yr.), TypeScript (7 yr.)
C++ Libraries and Tools	C/C++/C#
Python Frameworks	Django
Java Libraries and Tools	Knex.jx
JavaScript Frameworks	Koa.js, React (3 yr.)
JavaScript Libraries and Tools	RxJs, Web3.js
Data Analysis and Visualization Technologies	UIPath
Databases & Management Systems / ORM	AWS DynamoDB, AWS ElasticSearch, CouchDB, InfluxDB, MySQL, PostgreSQL
UI Frameworks, Libraries, and Browsers	Material UI
Cloud Platforms, Services & Computing	AWS (7 yr.), Azure (3 yr.)
Amazon Web Services	AWS CDK, AWS DynamoDB, AWS ElasticSearch
Platforms	Adyen, Microsoft Power Platform, UIPath
Blockchain and Decentralized Software	ETH (Ethereum blockchain), Hyperledger, IPFS (InterPlanetary File System)

SDK / API and Integrations	Google Maps API, Stripe
Mail / Network Protocols / Data transfer	LDAP, WebSockets
QA, Test Automation, Security	Postman
Message/Queue/Task Brokers	RabbitMQ
Methodologies, Paradigms and Patterns	RPC (Remote Procedure Call)
UiPath	UIPath
Other Technical Skills	FHIR, HL7, OpenAM, SAP RPA

WORK EXPERIENCE

Trainee Software Engineer, Online Learning Platform

Duration: Sep 2017 - Jan 2018 (5 months)
Summary: Developed an online learning platform with functionality for users to become tutors, create courses, organize events, and communicate via chat.
Responsibilities: Back-end development using Django and PostgreSQL, front-end development with React.js, and integration with AWS services.
Technologies: Django, Python, JavaScript, React, PostgreSQL, AWS services

Software Engineer, Blockchain Payment Booking Application

Duration: Apr 2018 - July 2019 (1 year 3 months)
Summary: Built a booking application based on a blockchain payment system and configured production environments.
Responsibilities: Server-side development, CI/CD configuration, implementation of payment system based on Ethereum blockchain.
Technologies: Express, NodeJS, JavaScript, GraphQL, Ethereum, Web3.js, Docker, Gitlab CI/CD, Stripe, SocketIO

Software Engineer, Food Services Facility Management Application

Duration: May 2018 - July 2019 (3 months)
Summary: Worked on a front-end application for a food services and facilities management company, integrating Google Maps and using Angular framework.
Responsibilities: Integration of Google Maps, development of the UI using Angular framework.
Technologies: Angular, RxJS, MaterialUI, TypeScript

Software Engineer, Multiple Projects

Duration: July 2019 - May 2020 (11 months)
Summary: Contributed to a sports club management application and a blockchain-based document management platform.
Responsibilities: Designed and built APIs, created algorithm solutions, developed unit and integration tests.

Technologies: NodeJS, TypeScript, Koa, IPFS, LDAP, PostgreSQL, Microsoft Azure, Adyen, Docker, Jest, Express, Fabric Hyperledger, OpenAM, CouchDB, Postman, AWS services, React

Team Lead | Senior Software Engineer, Healthcare Data Analytics Platform

Duration: May 2020 - Sep 2022 (2 years 4 months)
Summary: Led the backend development for a US healthcare data analytics company, focusing on Medicare patient services.
Responsibilities: Redesigned customer data pipeline, conducted engineering interviews, led building of backend Microservices and Serverless architecture.
Technologies: Express, Serverless, MySQL, InfluxDb, MongoDB, DynamoDB, ElasticSearch, Docker, Postman, AWS services, Knex, Jest, PostgreSQL, FHIR, HL7, Microservices, RPC, RabbitMQ, React

Senior Software Engineer, NatWest Rooster Money

Duration: Oct 2022 - March 2024 (1 year 5 months)
Summary: Developed the NatWest Rooster Money system, a pocket money management and prepaid debit card application for kids.
Responsibilities: Worked on the product team, developed serverless systems, performed system integration, created project architecture and CI/CD processes.
Technologies: Express, NestJS, TypeScript, JavaScript, Serverless, AWS Services, AWS CDK, DynamoDB, Docker, Adyen, Jest, Microservices, SQL, GitHub

Engineering Manager | Technical Lead, Various Projects

Duration: March 2024 – August 2024 (up to 15 team members)
Summary: Led teams toward innovative technical solutions as a manager and a technical lead with focus on AI and automation.
Responsibilities: Developed and implemented technology vision and strategy, managed the technology team, oversaw project management/delivery, and led stakeholder communication.
Technologies: AI, Intelligent Automation, UiPath, Microsoft Power Platform, RPA, Python, C#, JavaScript

EDUCATION

- **Master's Degree in Computer Engineering**
  Ivan Franko National University of Lviv is one of the top public universities in Lviv, Ukraine. It is ranked #1201-1400 in QS World University Rankings 2024.
  2013 - 2018
- **Lviv Physics and Mathematics Lyceum**
  The Lviv Physics and Mathematics Lyceum (LPML) is a boarding high school and one of the few science magnet schools in Ukraine.
  2011 - 2013