

Roman K.

Senior Full-Stack Software Engineer

SUMMARY

Full-stack developer with solid experience in React.js, Angular, and Node.js, building high-performance and secure applications across fintech, travel, and real estate domains. Experienced with DBs (Postgres, Mysql), backend services written in Go, integrating AI/LLM platforms via API and integrating Conversational AI tools like Voiceflow. Comfortable working in mixed environments, with end clients, elaborating engineering decisions and shaping solutions to match business needs.

TECHNICAL SKILLS

Main Technical Skills	TypeScript, JavaScript, React, Node.js, PostgreSQL
Programming Languages	JavaScript, TypeScript
JavaScript Frameworks	Angular, Express, Ext JS, NestJS, Node.js, React
JavaScript Libraries and Tools	Apollo, LoopBack, Mobx, Redux-Saga, Styled components
AI & Machine Learning	OpenAI
Databases & Management Systems / ORM	MongoDB, MySQL, PostgreSQL
UI Frameworks, Libraries, and Browsers	Bootstrap 4, Styled components, Tailwind CSS
Amazon Web Services	AWS Amplify, AWS Cognito, AWS EC2
Azure Cloud Services	Azure DevOps
SDK / API and Integrations	API, OAuth
Virtualization, Containers and Orchestration	Docker, Terraform
UI/UX/Wireframing	Figma, Webflow
Version Control	Git
Web/App Servers, Middleware	Nginx
Mail / Network Protocols / Data transfer	VoIP

WORK EXPERIENCE

Automated Futures Trading System for Binance - Full-Stack Developer

Duration: Sep 2023 – Present

Technologies: Node.js (Fastify), TypeScript, WebSocket Streams, Prisma ORM, PostgreSQL, Binance Futures API, Docker, AWS EC2, Terraform, Nginx, Certbot, DuckDNS

About the project: Fully automated cryptocurrency trading system for Binance Futures featuring custom trading algorithms based on moving average strategies, real-time market data processing via WebSocket streams, and order execution with the Binance API. Includes secure, cost-efficient cloud deployment using Docker, AWS EC2, Terraform, and automated SSL provisioning.

Responsibilities:

- Solely designed, developed, and deployed the system from scratch to production
- Implemented trading logic with MA-based entry/exit rules and position management
- Integrated Binance WebSocket streams for low-latency market data handling
- Developed REST APIs with Fastify for monitoring and administrative control
- Designed Dockerized deployment and automated infrastructure provisioning with Terraform
- Configured secure HTTPS access via Nginx, Certbot, and DuckDNS
- Optimized AWS costs with ephemeral infrastructure and persistent S3 backups

Mobile App with AWS Amplify - Full-Stack Developer

Duration: Sep 2023 – Present

Technologies: React Native (Expo), React.js, TypeScript, AWS Amplify, AWS Cognito, OAuth (Apple, Google), AWS S3, AWS CloudFront, Fastify, Node.js, Docker, Nginx, Certbot, Tailwind CSS, Styled Components

About the project: Cross-platform application (iOS, Android, Web) with secure user authentication via AWS Amplify and Cognito, supporting native username/password and federated login via Apple and Google. Includes custom video playback module with engagement tracking and real-time chat interface. Web version deployed through AWS S3 and CloudFront with automated SSL provisioning.

Responsibilities:

- Solely designed, developed, and deployed the platform from initial concept to production
- Set up and configured AWS Amplify environments (staging, dev, test) with Cognito User Pools and Identity Pools
- Integrated Apple and Google sign-in via Amplify federated authentication
- Resolved Amplify CLI environment/App ID mismatches, ensuring correct backend synchronization
- Managed OAuth redirect URIs for iOS/Android, including Expo deep linking configuration
- Implemented custom video player with evaluation logic for engagement and playback tracking
- Developed real-time chat bubble interface with optimized rendering in React Native
- Deployed Expo Web build to AWS S3 with CloudFront CDN for global, low-latency access
- Designed reusable UI component system with Tailwind CSS and Styled Components



Exercise Buddy - Full-Stack Developer

Duration: Sep 2023 – Present

Technologies: TypeScript, Koa.js, React.js, Node.js, GraphQL, AWS DevOps, PostgreSQL, Docker, React Native, Nginx

Responsibilities:

- Code maintenance and project support
- Adding new features and bug fixing

Conversational AI Chatbot - Full-Stack Developer

Duration: Jan 2025 – Mar 2025

Technologies: Voiceflow, Node.js, TypeScript, Express.js, REST API, MongoDB, AWS Lambda (Serverless), Webhooks

About the project: Proof-of-concept conversational AI chatbot on the Voiceflow platform for e-commerce, enabling automated handling of customer queries (order status, product availability, FAQ). Features multi-turn dialogue flows with context management, integrated with a Node.js backend for dynamic data retrieval.

Responsibilities:

- Designed and implemented dialogue flows with branching logic and contextual memory in Voiceflow
- Developed Node.js microservices to connect the chatbot with a mock e-commerce database
- Integrated Voiceflow flows with backend APIs using webhooks for real-time responses
- Deployed serverless functions (AWS Lambda) for scalability and cost efficiency
- Prepared demo and documentation for client presentation

ID-Veritas - Full-Stack Developer

Duration: Aug 2022 – Sep 2023

Technologies: TypeScript, Angular, Bootstrap, Loopback.js, Azure DevOps, Nginx

Responsibilities:

- Developed new features
- Designed project architecture solutions
- Conducted code review, refactoring, and maintenance
- Configured deployment pipelines and CI/CD
- Implemented security processes
- Proposed technical and functional improvements

P.R.I.S.M Consortium (Hardware Erasure) - Full-Stack Developer

Duration: Feb 2022 – Aug 2022

Technologies: TypeScript, Node.js, xml2js, Azure Functions, Azure Logic Apps, Azure Vault, NetSuite, Azure SQL, custom erasure pipeline engine

Responsibilities:

- Developed new features
- Designed project architecture solutions



- Developed REST APIs
- Refactored and maintained code
- Integrated third-party libraries

Travel Technology Practice (Luxury Property Rental) - Back-End Developer

Duration: Apr 2021 – Feb 2022

Technologies: TypeScript, NestJS, PostgreSQL, TypeORM, Swagger, MJML, Webflow API

Responsibilities:

- Developed new features and wrote unit tests
- Worked with PostgreSQL databases: schema design, querying, and data manipulation
- Designed and implemented RESTful APIs
- Integrated backend with Booking.com API, configuring connectivity and ensuring stable data exchange
- Integrated backend data with Webflow-based marketing pages, setting up custom API endpoints for dynamic content and optimizing page load performance through API response caching

Betting Platform - Full-Stack Developer

Duration: Oct 2020 – Jun 2022

Technologies: TypeScript, React.js, Redux, MobX, Express.js

Responsibilities:

- Developed new features and created components
- Developed REST APIs
- Refactored and maintained code
- Reviewed teammates' code
- Worked with third-party libraries and sources: Betradar, IMG, Perform, and AWS

Music Industry Services for Spotify Musicians - Full-Stack Developer

Duration: Feb 2020 – Sep 2020

Technologies: React.js, Redux, Express.js, Sequelize

About the project: Platform providing various services to Spotify musicians and singers.

Responsibilities:

- Refactored and improved existing code
- Wrote business logic for the application
- Created, designed, and managed databases
- Developed UI components
- Fixed application bugs

Forex Currency Exchange Platform - Front-End Developer

Duration: Apr 2019 – Jan 2020

Technologies: React.js, Redux

About the project: Platform providing users with data from Forex.



Responsibilities:

- Developed user interface
- Designed user interactions on web pages
- Ensured cross-platform optimization for mobile devices

Various Upwork Projects - Full-Stack Developer

Duration: Sep 2017 – Mar 2019

Technologies: React.js, Redux, Node.js, Express.js, GraphQL, PostgreSQL, MySQL, MongoDB

Responsibilities:

- Developed functionality and components
- Fixed bugs
- Designed user interactions on web pages
- Developed backend applications
- Created servers and databases
- Ensured responsiveness of applications

E-commerce Websites and Promo Pages - Full-Stack Developer

Duration: Feb 2015 – Feb 2016

Technologies: HTML, CSS, JavaScript, PHP, Laravel, MySQL, jQuery, Git

About the project: Full cycle development of e-commerce websites and adaptive promo pages. Created SPA applications using jQuery on front-end and Laravel on back-end.

Responsibilities:

- Created responsive layouts
- Ensured cross-browser and cross-device compatibility
- Rendered data from back-end using AJAX requests and templates

