

ALHASSAN ALFARRAN

Software Engineer — Web & AI Systems

Moscow, Russia • +7 919 399 97 49 • kyan775909@gmail.com

linkedin.com/in/alhassan-alfarran • portfolio-kyan9400s-projects.vercel.app

PROFESSIONAL SUMMARY

Software Engineer specialising in Web & AI Systems, with 5+ years building production-grade platforms that combine modern web architecture with integrated AI capabilities. I design end-to-end systems — from frontend architecture and API design through database modelling — and extend them with AI components including LLM-powered workflows, semantic search, and ML model inference. Track record of architecting greenfield platforms in React, TypeScript, and Node.js, with measurable performance improvements. Focus on clean interfaces between UI, services, and AI layers, and on features that work in real workflows — not demos.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, SQL, Solidity, PHP, C++, C

Web Engineering: React, Next.js, Vue.js, Angular, HTML5/CSS3, Tailwind CSS, Bootstrap, Webpack, Vite, Figma — UI architecture, reusable component systems, responsive design

Backend Systems: Node.js, Express, REST API design, authentication, service-layer architecture, data modelling

AI & Data Systems: ML model integration & inference pipelines, LLM-powered workflows (reasoning, retrieval, automation), semantic/document search with vector-style retrieval, Python (Pandas, NumPy), data analysis & visualisation

Databases: PostgreSQL, MongoDB, Redis

Blockchain: Solidity, Web3.js, Hardhat, Truffle, MetaMask, Infura, Alchemy

Tools & Practices: Git, GitHub, JIRA, Agile/Scrum, code review, debugging & profiling, Google Analytics, SEO

PROFESSIONAL EXPERIENCE

Chief Full-Stack Developer — Avenue Group (Apr 2025 – Present)

Moscow, Russia • On-site

- Designed and shipped OKKP, a full-stack operational management platform with structured frontend architecture, backend APIs, and persistent data workflows — built for maintainability and scalable feature delivery, with clear service boundaries between UI, business logic, and data layers.
- Architected the end-to-end system: React + TypeScript single-page frontend, Node.js / Express REST API, MongoDB data layer.
- Engineered core business modules including employee management, violation tracking, and operational reporting dashboards, with role-based access controls and audit trails.
- Built a secure cloud media-upload pipeline integrating Cloudinary and Multer for image and document handling on operational records.
- Implemented Excel-export reporting that enables non-technical stakeholders to generate audit-ready datasets on demand, reducing manual reporting effort.
- Delivered a fully responsive UI in Tailwind CSS, maintaining consistent UX across desktop and mobile breakpoints.

Full-Stack Web Developer — Junzi Tech Solutions (Oct 2024 – Jul 2025)

Full-time

- Delivered full-stack features across multiple client web applications using Node.js, Express, and MongoDB, working in cross-functional Agile teams.
- Optimised a critical API endpoint by introducing a strategic caching layer and refactoring the underlying database query, reducing average response time by ~60% and improving overall application reliability.
- Designed and maintained RESTful APIs supporting JavaScript and React clients, with attention to error handling, validation, and consistent response contracts.
- Made data-architecture decisions on SQL (PostgreSQL) vs. NoSQL (MongoDB) trade-offs based on consistency requirements, relational complexity, and read/write patterns.
- Participated in code reviews, sprint planning, and feature delivery cycles, contributing to engineering quality standards on the team.

Frontend Web Developer — Freelancer.com (Jan 2024 – Present)

Remote

- Delivered responsive front-end solutions for international clients across e-commerce, marketing-site, and dashboard projects on a freelance basis.
- Built reusable UI components with React, Vue.js, JavaScript, and Tailwind CSS, accelerating delivery on subsequent client engagements.
- Translated Figma designs into pixel-accurate, production-ready code with cross-browser compatibility and accessibility considerations.
- Managed full client lifecycle independently: scoping, estimation, delivery, and post-launch support.

SELECTED PROJECTS

AI-Powered Applications — Gradio + Model Workflows

Built interactive AI applications that expose ML model capabilities through usable interfaces, turning model outputs into practical product features. Focused on inference reliability, input/output validation, and smooth user interaction.

Stack: *Python, Gradio, ML model inference*

Document Search & Analysis System

Implemented an intelligent document workflow combining semantic retrieval (vector-style) with LLM-assisted analysis to improve information access speed and answer quality. Designed for relevance, extensibility, and integration into real operational processes.

Stack: *Python, vector-style retrieval, LLM API integration*

Data-Driven Dashboards & Analytics Tools

Engineered dashboards that transform operational data into actionable insights through structured pipelines and clear visualisation layers. Improved decision workflows with fast filtering, readable metrics, and reliable data handling.

Stack: *React, TypeScript, Python data pipelines, charting libraries*

EDUCATION

Master's Degree — National University of Science and Technology (MISIS), Moscow (Sep 2024 – Jul 2026)

Computer and Information Sciences

Bachelor's Degree — Ural Federal University, Yekaterinburg (2020 – 2024)

Computer Science

Russian Language Programme — Ural Federal University, Preparatory Department (2019 – 2020)

CERTIFICATIONS

2023 — Programming with Google Go Specialization (Coursera) · Concurrency in Go (Coursera) · Functions, Methods, and Interfaces in Go (Coursera) · Getting Started with Go (Coursera) · JavaScript Algorithms and Data Structures (freeCodeCamp) · Front-End Development Libraries (freeCodeCamp) · Responsive Web Design (freeCodeCamp) · Data Visualization (freeCodeCamp).

2022 — Full-Stack Web Development with Angular Specialization (Coursera, HKUST) · Front-End JavaScript Frameworks: Angular (Coursera) · Front-End Web UI Frameworks and Tools: Bootstrap 4 (Coursera) · Server-side Development with Node.js, Express and MongoDB (Coursera) · Building Web Applications in PHP (Coursera, U. of Michigan) · Introduction to Structured Query Language – SQL (Coursera, U. of Michigan) · Understanding and Visualizing Data with Python (Coursera, U. of Michigan) · Machine Learning for All (Coursera, U. of London) · Multi-threaded Programming in C/C++ (Stepik) · Web Programming (UrFU, 4 credits) · Information Technologies in Environmental Activities (UrFU, 3 credits) · Introduction to Computer Architecture — Elements of Operating Systems (UrFU, 5 credits with Honours) · Data Management (UrFU, 5 credits) · Soft Skills: 21st Century Skills (UrFU, 3 credits) · History: 5 Approaches to Historical Development (UrFU, 3 credits).

2021 — Information Technology and Services (UrFU, 3 credits) · Basics of Project Activity (UrFU, 3 credits).

2020 — Russian as a Foreign Language — Preparatory Department for Foreign Students (Ural Federal University).

2018 — International Computer Driving License – ICDL (General Telecommunication Institute, Sana'a) · English Course Level 2A – 70% (Sana'a University, CCTLT) · English Course Level 1B – 83% (Sana'a University, CCTLT) · English Course Level Elective 1 – 87% (Sana'a University, CCTLT).

2016 – 2017 — High School Graduation Certificate (Al-Nahdhah Modern Schools, Boys' Branch) · Recognition Certificate in Physics (Al-Nahdhah Modern Schools).

2014 — Certificate of Level Proficiency – Fundamental Levels (Exceed Language Center) · Certificate of Progress – Fundamental E-RW (Exceed Language Center).

LANGUAGES

English (Professional) · **Russian** (Professional) · **Arabic** (Native)