TOUFIC JANDAH

Full-Stack Developer
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Riga, Latvia

Skills

- Frontend: Flutter · React.js · Next.js · HTML · CSS · JavaScript · React Expo
- Backend: Node.js · Express.js · Firebase · Supabase · Python (FastAPI)
- Databases: MongoDB · PostgreSQL · MySQL · Firebase Firestore · SQL Server · Supabase
- Tools: Git · GitHub · SourceTree · Postman · Figma · VS Code · Android Studio

- Cloud & DevOps: Azure · Google Cloud · Docker · CI/CD · Server Management (SSH)
- Security: JWT · OAuth2 · SSL/TLS · Data Encryption · Access Control Rules
- AI & Data: Pandas · NumPy · Scikit-learn · TensorFlow · Claude · ChatGPT · Vibe Coding AI(Claude code, GLM, Trae, Cursor, Windsurf)

Work Experience

Advensys International Trading – Full Stack Developer – Riga, Latvia Hybrid   August 2025 - Present

- Building and maintaining digital banking platforms and enterprise trading systems.
- Designed scalable Next.js + React frontends with Node.js/Express.js backends and MongoDB/Firebase databases.
- Developed payslip automation and payroll modules with secure API integrations.
- Managed SSH deployments, Docker containers, and CI/CD pipelines for seamless releases.
- Integrated predictive analytics and business intelligence dashboards using AI & data processing tools.
- Enhanced system performance, SEO, and user experience through architecture optimizations.

5oStudios – Product Developer – Kuwait Remote   June 2025 – August 2025

- Led development of an AI-driven Sleep Tracking App focused on improving users' sleep quality via smart analytics.
- Used React expo to create a seamless, responsive mobile UI.
- Integrated Supabase backend for real-time data synchronization and authentication.
- Collaborated with AI teams to implement Claude, ChatGPT, and Vibe Coding AI for predictive sleep insights.
- Ensured full compliance with data privacy and encryption standards.
- Participated in agile development cycles and sprint reviews.

Codra Tech – Mobile Application Developer – Dubai, UAE Remote   Jan 2022– Jul 2024

- Built cross-platform apps using Flutter and Firebase, with robust authentication and database management.
- Integrated multiple APIs including Google Maps, Email.js, and payment gateways.
- Designed Figma prototypes, optimized UI/UX, and handled Azure cloud deployments.
- Developed real-time data sync, push notifications, and analytics tracking systems.
- Maintained Git-based version control and automated delivery pipelines.

Projects

TUGO – Personal Project – Istanbul Turkey, TR   June 2024

- **API Integration:** Successfully integrated Google Maps API for location-based services and Email.js API for authentication, enhancing the application's functionality and user trust.
- **Backend Development:** Worked extensively with Node.js to develop the backend, leveraging Firebase CLI for real-time database operations and Firebase Firestore for efficient data management.
- **Authentication System:** Implemented a secure authentication system using email and OTP verification, safeguarding user accounts.
- **Data Handling:** Employed JavaScript to enhance Firebase functions, enabling simultaneous updates to multiple data entries in the database.
- **Live Feedback and Tracking:** Developed features for live feedback and location tracking, allowing service providers to update their status and customers to track service progress.

Sleep Tracking Mobile Application – 5oStudios – Kuwait Remote   August 2025

- **AI-Driven Insights:** Implemented sleep stage analysis (deep/light/REM) using motion/sensor data with server-side AI pipelines (Claude,

ChatGPT, Vibe Coding AI) to generate personalized recommendations.

- **Backend Architecture:** Built Supabase backend (auth, Postgres DB, RLS policies, real-time channels) and serverless functions for analytics and model orchestration.
- **Mobile Frontend**: Led React expo UI with charts, animations, and responsive flows; optimized battery usage, memory footprint, and startup time.
- **Smart Alarm:** Delivered smart wake window logic that triggers alarms at optimal stages via background tasks.
- **Security & Privacy:** Enforced end-to-end data protection (JWT, SSL/TLS, RLS), anonymization where required, and role-based access.
- **Testing & Ops:** Wrote integration tests, performance profilers, and crash/telemetry hooks; iterated quickly from user feedback and design reviews.
- **Payment Integration:** Implemented a secure, cross-platform payment system supporting **PayPal**, **Apple Pay**, and **Google Play Billing**, enabling seamless in-app purchases and subscription management across iOS, Android, and web platforms.

Payroll Management System– Advensys International Trading – Riga, Latvia Hybrid   September 2025

- **System Architecture:** Designed and developed a full-stack, enterprise-grade payroll management platform using React 18, TypeScript, Zustand, and Supabase (PostgreSQL) with role-based access control (RBAC) and multi-tenant data separation.
- **Dynamic Calculation Engine:** Built a dual-mode payroll calculator supporting auto-compute and manual override, implementing Luxembourg tax and social-contribution formulas (CISSM, CIS-CIP-CIM, $CI-CO_2$, pension, health, dependency).
- **Secure Authentication:** Integrated Supabase Auth with JWT sessions and Row-Level Security to isolate company data, protecting sensitive payroll and employee information.
- **Advanced UX:** Delivered an intuitive edit-mode workflow with real-time validation, keyboard shortcuts (Ctrl + S quick-save), and toast notifications for success/error feedback.
- **Performance & Responsiveness:** Implemented memoization, lazy loading, debouncing, and optimistic UI updates to achieve lightning-fast performance across all viewports.
- **Export & Localization:** Added PDF export (jsPDF + autoTable) with Luxembourg-compliant formatting, and i18next internationalization for French and multilingual support.
- **DevOps & Deployment:** Managed SSH-based deployments, CI/CD pipelines, and Dockerized containers for seamless releases across staging and production.
- **Key Outcomes**: Achieved 99.9 % uptime, complete audit trail logging, and full TypeScript type-safety across 30 + components, delivering a robust, maintainable payroll platform.

TaskFlow Website– AI-Powered Project Management Platform 5oStudios – Kuwait Hybrid   September 2025

- **AI Integration:** Built a conversational assistant using OpenAI GPT-4 and Web Speech API that understands natural language and performs task actions like *add, edit, filter, and create columns* via text or voice.
- **Frontend Architecture:** Engineered the UI with Next.js App Router, React Server Components, and TypeScript; implemented modular components via shadcn/ui and Radix UI.
- **State Management:** Used Zustand and React Context for real-time global state sync with Supabase, supporting optimistic UI updates and queue-based saves.
- **Backend & Database:** Designed a Supabase (PostgreSQL) schema featuring RLS, audit logs, and real-time updates. Created serverless API routes for AI tasks, PayPal webhooks, and analytics.
- **Payment System**: Integrated PayPal REST API for secure subscription billing, product plans, and webhook-based tier upgrades (free → premium).
- **Advanced UX:** Implemented drag-and-drop boards (@dnd-kit), Framer Motion animations, dark/light theming, keyboard shortcuts (Ctrl + S), and toast notifications.
- **Performance:** Achieved sub-100 ms interactions using Turbopack, lazy loading, memoization, and code splitting.
- **Analytics & Filtering:** Added live productivity analytics, progress tracking, deadline monitoring, and multi-criteria filters with persistent local storage.
- **Security:** Enforced JWT authentication, row-level security, CORS policies, environmental secrets, and webhook signature verification.

Education

BACHELOR OF COMPUTER ENGINEER – Istanbul Okan University – Istanbul Turkey, TR
Majors: Software Development, Data Structures and Algorithms, Database Management, Web Development
MASTERS AI AND DATAMINING – Double Degree UWE Bristol University, Transport and Telecommunication University Riga, LV
 Majors: Machine Learning, Data Mining Techniques, Big Data Analytics, Deep Learning.