

# Farshad Nejati

## Software Engineer · Frontend Specialist

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## Profile

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Software Engineer with over 7 years of experience designing, deploying, and evaluating production-grade applications and high-performance web systems. Expert in React, Next.js, and TypeScript, with a strong capability in full-stack engineering using Python (FastAPI). Comfortable owning technical topics end-to-end, from system architecture and agentic orchestration to industrial deployment in large-scale contexts.

## Professional Experience

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### Founder & Lead Engineer — Asanex (AI-Powered Sales Orchestration)

Nov 2025 – Present

- Building an AI-powered agentic platform based on LLM-driven systems for end-to-end sales orchestration and e-commerce automation.
- Designing and implementing multi-agent workflows to handle autonomous purchase consultation, order registration, and real-time tracking.

### Software Engineer — Dubo App (Voice Inventory MVP)

Sep 2025 – Oct 2025

- Designed and implemented a mobile MVP for voice-driven inventory management featuring offline speech transcription.
- Engineered domain-specific voice commands and a lightweight local data layer to ensure operational stability in low-connectivity environments.

### Software Engineer — SMICRAB Research Project

Feb 2025 – Jul 2025

- Worked on environmental and climate data systems involving data access, harmonization, and large-scale processing.
- Implemented statistical modeling workflows and user-facing research tools, refactoring legacy logic into high-performance Python systems.
- Developed a modular research GUI enabling complex data visualization and risk mapping.

### Frontend Engineer — Dorna AI (Conversational AI Platform)

Jun 2024 – Mar 2025

- Led development of the MVP and high-performance interfaces for a conversational AI system focused on automated call handling.
- Engineered real-time dashboards to monitor production voice agents, improving visual tracking of intent recognition and system reliability.

### Frontend Developer — Tukki (Travel Discovery)

Jan 2025 – Feb 2025

- Collaborated within an international team to architect and build a modern travel discovery and planning interface.
- Focused on scaling frontend architecture and ensuring responsive discovery workflows for global users.

### Full-Stack Developer — Decorar (AI Interior Design Platform)

Oct 2024 – Jan 2025

- Led technical implementation for an interior design platform generating decor recommendations from multimodal user inputs.
- Built vision and NLP pipelines to extract styles, objects, and constraints from user data using Python and Next.js.
- Designed data flows supporting seamless interaction between user inputs and generative models.

### Frontend Developer — Dideo (Large-Scale Video Platform)

2021 – 2024

- Delivered high-performance frontend architectures for a video platform serving 10M+ unique users, ensuring seamless interaction and rendering efficiency.
- Engineered the Dideo browser extension and optimized core web components to enhance user engagement and system accessibility.

## Selected Projects & Research

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- **MeetMe:** Architected a full-stack real-time communication platform, owning the end-to-end deployment of video conferencing features.
- **Habitomic:** Developed a custom AI-boosted self-improvement system featuring LLM-driven automation and personalized coaching agents.
- **Software Research:** Collaborated on security-critical architecture involving searchable encryption and robust data modeling.

## Skills

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- **Frontend & Mobile:** React 19, Next.js 15 (App Router), TypeScript, Tailwind CSS, Jetpack Compose, Flutter.
- **Data & Engineering:** Python (FastAPI, Flask), PostgreSQL, MySQL, SQLAlchemy, Distributed Systems, Docker, AWS.
- **AI & Tools:** LLMs, Agentic Systems, OpenAI SDK, RAG, Vosk (Speech Recognition), CI/CD Pipelines.

## Education

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- **M.Sc. in Artificial Intelligence** — University of Guilan (2018 – 2020, Withdrew).
- **B.Sc. in Computer Software Engineering** — University of Guilan (2014 – 2018).