İlkay Beydah Sağlam

Full-Stack AI Product Developer | Building SaaS & Automation Tools

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SUMMARY

Python and AI-focused full stack developer with expertise in designing scalable AI-driven SaaS products and automation tools. Successfully delivered 25+ freelance projects, streamlining workflows and reducing manual effort by integrating AI capabilities with cloud infrastructure and modern APIs. Skilled in React.js, Node.js, n8n automation workflows, and backend services using Python, complemented by experience with PostgreSQL and CI/CD pipelines. Adept at transforming complex ideas into efficient digital solutions that enhance operational efficiency and user experience.

EXPERIENCE

Freelance Full Stack Developer

Bionluk

06/2025 - 02/2026 İstanbul, Turkey

I am a Full Stack Developer who helps startups and businesses turn ideas into scalable digital products. With a track record of building 25+ real-world solutions for 15+ clients and maintaining a 4/5 average rating, I specialize in web applications, workflow automation, and AI-powered tools. Utilizing a tech stack that includes Python, React.js, Node.js, PostgreSQL, and Docker, I follow Agile methodologies to deliver practical, reliable software that solves real business problems.

Warehouse Specialist

Babion Türkiye

08/2024 - 04/2025 İstanbul, Turkey

I actively managed daily operational workflows, including goods receipt, inventory control, and sales support, while identifying opportunities to convert manual procedures into efficient digital solutions. Thriving in a fast-paced environment, I honed my cross-functional collaboration, adaptability, and task prioritization skills. By analyzing existing processes and optimizing data flows, I developed a strong analytical and solution-oriented mindset that effectively bridges operational needs with technical improvements.

Junior Full Stack Developer

İstanbul Büyükşehir Belediyesi

04/2024 - 06/2024 İstanbul, Turkey

During my internship at İstanbul Büyükşehir Belediyesi, I gained practical experience in software testing, system analysis, and network infrastructure management within the IBB Wi-Fi unit. I actively contributed to technical evaluations, hardware and software integration, and detailed test reporting. By applying Python scripting, Bash automation, and API integration, alongside project management tools like Trello, I optimized workflows and supported network tasks in real time. This dynamic environment strengthened my analytical thinking, adaptability, and team collaboration, providing a solid foundation for full stack development projects.

Junior Business Developer

AIESEC Türkiye

06/2023 - 08/2023 İstanbul, Turkey

During my time at AIESEC Türkiye, I managed company data, audited manual workflows, and actively supported lead generation to identify and convert potential clients. By conducting targeted cold mailing campaigns and establishing effective communication with business partners, I successfully maintained data accuracy and drove customer acquisition. Thriving in a fast-paced hybrid environment, I strengthened my expertise in customer management, accountability, and cross-functional collaboration.

EDUCATION

Associate Degree, Web Design and Coding

Anadolu University

01/2024 - 12/2026

Associate Degree, Computer Programming

Istanbul Nisantasi University

01/2022 - 12/2024

GPA 3.59 / 4.0

KEY ACHIEVEMENTS

Project Delivery

Completed over 25 freelance projects across various industries successfully.

AI Workflow Optimization

Implemented AI workflows, reducing operational time by 30%.

Cost Reduction with AI

Reduced photo production costs by 40% with AI application.

Process Automation Success

Automated manual processes increasing efficiency by 25%.

CERTIFICATIONS

Scrum Fundamentals Certified (SFC)

Scrum Study MK

C++ Programming and Algorithm

Duke University

SQL, T-SQL, PL/SQL

HackerRank

Project Management

Middle East Technical University

Visual Design Principles

Middle East Technical University

Digital Marketing

Google

PUBLICATIONS

Language Programming Roadmap

roadmap.sh

https://roadmap.sh/r/language-programming

A roadmap for learning to write, generate, and manage code using natural language. Covers human-like task expression, AI-assisted code generation, multi-agent automation, and advanced natural language programming techniques.

Pandas TA Roadmap

roadmap.sh

https://roadmap.sh/r/pandas-ta

Guides financial data analysis and development of technical indicators using Python and Pandas TA library. Includes data preparation, multi-timeframe analysis, indicator optimization, and advanced strategy logic.

Pine Script Roadmap

roadmap.sh

https://roadmap.sh/r/pine-script

Guides financial data analysis and development of technical indicators using Python and Pandas TA library. Includes data preparation, multi-timeframe analysis, indicator optimization, and advanced strategy logic.

PROJECTS

AI Product Photographer (React)

https://kabakai.netlify.app/

I developed Kabak AI, an AI powered web application that accelerates fashion content workflows for ecommerce teams, increasing production speed by +300%. Built with React 18, Vite, and Tailwind CSS, it automates product photography by converting raw clothing photos into professional studio visuals, SEO optimized content, and short video previews. Leveraging Google GenAI SDKs for models like Gemini and Veo, the application features secure IndexedDB browser storage, a comprehensive analytics dashboard, and support for 2 languages. This tool reduces manual content creation time by -80% and cuts overall production costs by -60%, maintaining high visual consistency for modern brands.

AI Cardvisit Website (React)

https://beydahsaglam.netlify.app/

I developed Biolink AI, a high performance bio link platform featuring an interactive AI digital twin that increases user engagement by +40%. Powered by a core tech stack including React, TypeScript, Google Gemini API, Framer Motion, and IndexedDB, the application integrates a persona driven chatbot that intelligently answers questions based on a centralized markdown document. Designed with a mobile first approach, it boasts a premium dark UI with glassmorphism effects and fluid animations, improving conversion rates by +25%. Equipped with client side rate limiting to prevent API abuse, this project provides a highly responsive and secure AI enhanced digital representation.

AI Driven Automation (N8N)

https://github.com/beydah/N8N-AI-Agent

I developed an n8n AI Agent repository, a structured and modular ecosystem for deploying scalable enterprise ready AI workflows that increase operational efficiency by +40%. By seamlessly connecting AI reasoning models like Google Gemini with platforms including WordPress, LinkedIn, and various CRMs, the framework automates complex cross platform processes such as intelligent content creation, lead generation, and data extraction. Engineered for production environments, it features intelligent state management for context aware, non repetitive actions and multi model flexibility. This AI driven automation solution reduces manual task time by -50% and transforms business operations through powerful versioned workflow exports.

TradingView Webhook Bot (Python)

https://github.com/beydah/TradingView-Webhook-Bot

I developed a high performance, self hosted TradingView Webhook Bot using Python, FastAPI, and Uvicorn that bridges custom PineScript alerts with Binance Futures for ultra low latency execution. By automating trades with dynamic leverage, percentage based sizing, and risk managed position control, the solution improves trade execution speed by +80% and reduces manual intervention by -90%. Fully containerized with Docker for reliable auto recovery and 99.9% uptime, it ensures robust security through environment based configuration and webhook signature validation. Utilizing SQLite and SQLAlchemy for data persistence alongside complete Telegram integration, this system provides remote monitoring and total algorithmic trading control.

CV Analyser (C#)

https://github.com/beydah/CV-Analyser

I developed CV Analyser, a smart Windows desktop application built with C# and .NET that streamlines the recruitment process by reducing manual screening time by -75%. By batch processing 500+ PDF resumes and instantly ranking them based on custom keyword relevance, the tool transforms manual reviews into a fast and data driven workflow. Designed with enterprise architecture and clean code standards, it features a Top 3 Spotlight dashboard for rapid decision making, automated exporting of top scoring profiles, and an optional university filter. Backed by SQL Server LocalDB for secure user authentication, this open source project increases overall talent acquisition efficiency by +50%.

Social Media Database (Microsoft SQL)

https://github.com/beydah/Social-Media-Database

I designed and implemented a customizable Microsoft SQL database model for social media platforms. By utilizing a core tech stack of SQL and MSSQL, I developed 15 complex stored procedures and implemented 8 optimized indexes to accelerate data retrieval across core tables managing users, content, and interactions. This robust architecture applies advanced database design principles to create a scalable foundation, seamlessly preparing the system for future integration with NoSQL, ORM, and data replication technologies.

SKILLS

Frontend Development

React.js · TypeScript · JavaScript (ES6+) · Tailwind CSS · HTML5 · Responsive Web Design · UI/UX Principles · Vite · Progressive Web Apps (PWA) · REST Integration

Backend & API Development

Python · FastAPI · Node.js · Express.js · RESTful API · Object-Oriented Programming · Flask · C# · API Gateway · API Design

Artificial Intelligence

Generative AI · Large Language Models (LLMs) · Gemini API · LLM Integration · Data Analysis · Pandas · NumPy · Data Visualization · n8n · AI Agents

Databases, Cloud & DevOps

SQLite · PostgreSQL · Database Design · Docker · Git · Dokploy · Cloudflare · IndexedDB · Supabase · GitHub

Software Architecture, Tools & Practices

Domain-Driven Design (DDD) · SOLID Principles · Design Patterns · Clean Code · System Design · Scrum · Trello · Code Review · Unit Testing · Postman