

Tarik Ermis

AI/ML Engineer & Full Stack Developer

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SKILLS

AI & ML Technologies

AWS Bedrock, LangChain, n8n workflow automation, RASA/BotKit, OpenAI APIs/GPT models, AI model fine-tuning, Natural Language Processing (NLP), Machine Learning, RAG (Retrieval-Augmented Generation), Multi-Agent Orchestration, Claude/Nova LLMs, Intent Classification, Conversational AI

Front-End

HTML, CSS, JavaScript, PHP, React.js, Vue.js, jQuery, Angular.js, Kafka Interface Programming, Java Web Applications, Windows/WebLogic/Payara Application Servers, Oracle Database, SOA Services, REST Services, JSP/JSF, PHP/ASP, Sass, HTML5, Angular

Back-End

Node.js, Nest.js, Express.js, Solidity, Python, Java, PHP, PostgreSQL, MySQL, MongoDB, REST, Oracle, CosmosDB, SOA Services, REST Services, Back End Development

Programming

Python, C++, Java, Solidity, Go, Rust, C#, Ruby, .NET

Project Management & Methodologies

Team Leadership, Code Review, Technical Documentation, Cross-functional Team Management

Soft Skills

Effective Communication, Leadership, Teamwork, Project Management, Decision-making

DevOps, CI/CD & Infrastructure

GitLab-CI, Microsoft Azure, NGINX, Apache, IIS, Docker, Kubernetes, Terraform, Azure, AWS, Heroku, CI/CD, Automated Testing, Version Control

Blockchain & Web3

Smart Contract Development, DeFi Protocols, Web3.js, Ethereum, Smart Contract Auditing

Testing & Quality Assurance

Mocha, Saddle, Unit Testing, Integration Testing, Test Automation

E-commerce & CMS

Shopify, WordPress, Liquid templating, E-commerce optimization

Database & Data Management

Database Design, Data Migration, Database Optimization (since you work with multiple databases)

Additional Skills

Permission Concept Development, Agile Practices (Scrum, Kanban, Clean Code Development, Pair Programming), Project Management, Code Quality Assurance, Client Interaction and Requirement Analysis, System Architecture Design, Automated Testing and CI/CD Implementation, Version Control and Code Review, Cloud Service Management and Deployment, Full Stack Development

WORK EXPERIENCE

Full Stack Developer & AI/ML Engineer

Apr 2024 - Present

QUERPLEX GmbH

- Architected enterprise AI document intelligence platform processing 10,000+ corporate governance documents with RAG pipelines, multi-agent orchestration, and automated tests (AWS Bedrock, RAG, Multi-Agent Systems, Python, Lambda, DynamoDB, OpenSearch, CDK v2, React, TypeScript, Vite)
- Developed multi-agent conversational AI platforms with specialized agents (Conversation Router, Experience, Product, NBA, Fallback) for real-time customer interactions via WebSocket (AWS Bedrock, Multi-Agent Architecture, Intent Classification, TypeScript, Node.js, WebSocket API, Vue.js 3, Pinia, CloudFront CDN)
- Built AI-powered personalized dashboard generation system using multi-agent architecture with persona-based content personalization (AWS Bedrock, Claude 3 Haiku, Multi-Agent Systems, React 18, TypeScript, Vite, Styled Components, Framer Motion, Terraform)
- Spearheaded frontend development for enterprise marketplace UI, delivering modern, scalable user interfaces for millions of end-users (React, Vue.js, TypeScript, Material UI, Responsive Design, UI/UX, Enterprise Architecture)

Lead Developer

Apr 2023 - Mar 2024

elunic AG

- Developed and adapted bespoke software solutions using Angular and NestJs, successfully meeting the unique requirements of over 7 clients, and enhancing user experience marginally (Front End Development, Back End Development, Full Stack Development, Angular.js, NestJs, JavaScript, Web Development, App Development, User Experience Design)
- Oversaw and directed numerous projects, concentrating on tailoring our proprietary product to align precisely with unique client requirements (Project Management, SCRUM, Agile, Product Customization, Client Requirement Analysis)
- Led teams of up to 10 members, reviewed code, and directly interacted with clients.

(Team Leadership, Code Review, Client Interaction, SCRUM, Agile, Git)

- Orchestrated full-stack development using Angular and NestJs, and streamlined deployment processes utilizing Docker, Kubernetes, Terraform, and Azure for scalable, robust solutions (Full Stack Development, Angular, NestJs, Docker, Kubernetes, Terraform, Azure, Deployment Process Streamlining, Scalability, Robust Solution Development)
- Developed enterprise-level PWA podcast application with offline capabilities and optimized performance (PWA, Service Workers, Vue.js, TypeScript, Vite, Offline-First Architecture, Performance Optimization)
- Engineered full-stack solutions with React/Vue.js frontends and serverless AWS backends deployed via infrastructure-as-code (React, Vue.js, TypeScript, AWS Lambda, DynamoDB, API Gateway, Terraform, CDK v2, CI/CD, GitLab)

Lead Software Engineer

Nov 2021 - Mar 2023

LendeXe Finance

- Forked and significantly enhanced an existing lending protocol's Smart Contracts through strategic planning and crafting of audit-ready code, leading to the successful launch of a product that was rapidly adopted by thousands of users within the first week. This initiative achieved a total value locked of \$650,000 and secured a 20% market share in its niche within three months (Blockchain Development, Smart Contract Development, Solidity, Product Launch, Market Analysis, Node.js, MongoDB, React.js, Frontend Development, Backend Development, User Experience Design, Scalability)

- Directed a team of five developers, surpassing coding milestones 15% ahead of schedule and improving sprint efficiency by 25%. Implemented comprehensive automated tests for Smart Contracts and full-stack components, significantly boosting code quality and deployment reliability (Team Leadership, SCRUM, Agile, Project Management, Efficiency Improvement, Automated Testing, Code Quality Assurance, Mocha, Saddle)
- Innovatively leveraged AWS cloud services for efficient code deployment and created a Python-based tool for NFT generation, contributing to enhanced system performance and the creation of over 5,000 unique NFTs. Authored extensive technical documentation, facilitating clear understanding and usage of the protocol (AWS, Cloud Services, Code Deployment, Python, NFT Generation, Scripting, Technical Writing, Documentation, Protocol Understanding)

Software Engineer

Aug 2021 - Mar 2022

Integr8 media GmbH

- Developed and optimized mobile applications with React Native, enhancing client engagement by 50% and reducing load times by 30% (HTML, CSS, React Native, JavaScript, Mobile Development)
- Optimized processes via automations with Python and managed cloud applications on Microsoft Azure and AWS, improving operational efficiency (Python, Software Development, Microsoft Azure, AWS)
- Created AI-driven chatbots using RASA/BotKit, handling over 10,000 monthly interactions at 95% accuracy (RASA, BotKit, AI, Chatbot Development, Kubernetes, Docker, Cloud Development)
- Engineered robust full stack web applications using Vue.js, Nuxt.js, Express.js, and MongoDB, ensuring seamless integration and efficient performance (Vue.js, Nuxt.js, Express.js, Ruby, MongoDB, Back End Development, Front End Development, Full Stack Development)

Full Stack Web Developer

Apr 2018 - Jul 2021

N4 Group Germany

- Spearheaded the development of responsive React.Js front-ends and robust Express.Js/Node.Js backends, integrating PostgreSQL and MySQL databases for enhanced data management and system efficiency (React.Js, React Redux, HTML, CSS, Ruby, REST API, PostgreSQL, MySQL, Express.Js, Node.Js, Front End Development, Back End Development, Full Stack Development)
- Implemented comprehensive automated testing and deployment frameworks using GitLab-CI, Docker, and Kubernetes, significantly reducing development cycles and improving software reliability (CI/CD, Kubernetes, Docker, GitLab-CI, Automated Testing, Deployment Frameworks)
- Employed Kanban and agile methodologies to streamline project management, achieving a notable increase in development efficiency and team productivity (Kanban, SCRUM, Agile Development, Project Management, Team Productivity)

Apprentice Web Developer

Aug 2016 - Mar 2018

SUMITS Deutschland GmbH

- Managed the end-to-end process of developing websites using WordPress, from creation and design to deployment, including the development of custom plugins to enhance functionality. (HTML, CSS, JavaScript, PHP, WordPress, Web Design, Front End Development, Custom Plugin Development)

EDUCATION

Apprenticeship Aug 2016 - Jun 2019
Technisch Gewerbliches Berufs-Bildungs-Zentrum 1 Saarbrücken
'Specialised Computer Technology Scientist for Application Development'

Allgemeine Fachhochschulreife Aug 2014 - Jul 2016
Fachoberschule Technische Informatik BBZ Völklingen
Acquisition of the 'Allgemeine Fachhochschulreife' with the main emphasis on Software Development.

TRAININGS AND CERTIFICATIONS

Certified proficient English speaker at C2 2020
<https://www.efset.org/cert/FCEZ5j>

SIDE PROJECTS

eloheaven | Game Service Shop 2025
<https://eloheaven.gg>
A revolutionary gaming services platform supporting League of Legends, Valorant, and Marvel Rivals. I architected and developed this comprehensive solution from concept to production, establishing it as a leading platform in the competitive gaming industry.
(NuxtJs, VueJs, Express.Js, Node.Js, MongoDB, AWS, Web Design, Full Stack Development)

OdinBoost | Game Service Shop RELAUNCH 2023
<https://odinboost.com/>
Led a team in relaunching a web shop, implementing Nuxt, NodeJS, and MongoDB. (Vue.JS, Nuxt, NodeJS, ExpressJS, MongoDB, SSR, REST, Docker, SEO, Full Stack Development)

Statement Clo. | Apparel Shop 2023
<https://statement-clo.de/>
Enhanced an e-commerce site, improving design, speed, and checkout process to help client achieve full sell-outs on each drop. (Shopify, eCommerce, CSS, HTML, Liquid, Web Design, Front End Development)

Mega Elo Boost | Game Service Shop 2021
<https://megaelobost.com/>
Nuxt.Js App with an Express.Js backend (Nuxt.Js, Express.Js, Vue.Js, Node.Js, MongoDB, Web Design, Full Stack Development)

Moria Elo Boost | Game Service Shop 2021
<https://moriaelobost.com/>
Nuxt.Js App with an Express.Js backend (Nuxt.Js, Express.Js, Vue.Js, Node.Js, MongoDB, Web Design, Full Stack Development)

OdinBoost | Game Service Shop

2020

<https://odinboost.com>

Nuxt.Js App with an Express.Js backend (Nuxt.Js, Express.Js, Vue.Js, Node.Js, MongoDB, AWS, Web Design, Full Stack Development)