Saman ZAND HAGHIGHI
Full Stack Developer | System Administrator

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🔗 samanznd.com   **📍** Iran, Mashhad

Born on May 29th, 2005. A driven and focused professional with deep expertise in building robust, clean, and scalable applications, I excel in Django while demonstrating proficiency across a wide range of frameworks. My adaptability and rapid learning abilities enable me to quickly master new technologies as needed. With solid experience in front-end development using Vue.js and React.js/Next.js, I am known for delivering clean, maintainable code and designing efficient architectures. My proficiency in Linux System Administration and DevOps, particularly with Docker, further enhances my ability to streamline development processes and deliver high-quality solutions on time.

☰ COMPETENCIES

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Personal Skills	Innovation, Creativity, Problem Solving, Time management, Team leadership, Fast Learner, Critical Thinking
Programming Languages	Python, C#, JS/ES, TypeScript, Go, C, GraphQL, Bash
Frameworks	Django, Fast API, Flask, Gin, ASP.NET, Next.js, React.js, Vue.js, Angular, Node.js, Express.js, MUI, Ant Design, HTMX, Three.js, Semantic UI, Bootstrap, Alpine.js, TailwindCSS
DBMS	PostgreSQL, MySQL, Redis, MongoDB, MSSQL
Development Tools	VSCode, Git, GitLab, GitHub, RabbitMQ, Kafka, Docker
Operating Systems	Ubuntu Server/Desktop, Windows
Others	LaTeX, Software Architecture, NGINX, CoCalc, Moodle, Google Sheets, ML/DL, LLM

💼 WORK EXPERIENCE

September 2024 – Present

Technical Lead, Full-Stack Developer & DevOps, 🔗 AI RODO, Coquitlam, Canada
- ❯ Led technical aspects of the project as Tech Lead, managing and coordinating tasks.
- ❯ Maintained project infrastructure and automated DevOps workflows in Google Cloud.
- ❯ Fine-tuned and developed large language models using TensorFlow, Hugging Face and VertexAI API.
- ❯ Leveraged Kaggle for model development and data analysis.
- ❯ Developed backend interface using Django and Django Rest Framework for authentication and documentation.
- ❯ Implemented front-end development using Next.js, Ant Design, TypeScript, and TailwindCSS.
- ❯ Assisted in building the project's landing page with WordPress.

`Django` `Next.js` `Ant Design` `TypeScript` `TailwindCSS` `TensorFlow` `Hugging Face` `Docker` `WordPress`

August 2024 – Present

Full-Stack Developer, 🔗 ZUMRA GROUP, Dubai, UAE
- ❯ Developed a travel and tourism services platform to streamline bookings and improve customer experience
- ❯ Developed a travel and tourism services platform leveraging a variety of design patterns and architecture principles, incorporating Kafka and standard services to ensure scalability and efficiency.
- ❯ Developed the frontend and backoffice of a travel services platform using Vue.js for the user interface and Next.js for the admin panel, demonstrating fluency in both frameworks.
- ❯ Developed backend API using ASP.NET Web-API
- ❯ Developed a Telegram bot using Python-Telegram-Bot with a modular architecture for better maintainability, designed to handle payment tasks efficiently.

`ASP.NET` `Vue.js` `Next.js` `Python-Telegram-Bot` `Kafka` `MSSQL` `Redis`

July 2024 – Present

Full-Stack Developer, 🔗 SHARIF UNIVERSITY LaTeX, Iran, Tehran
- ❯ Developed web software for compiling and editing LATEX documents, with back-end powered by Node.js, and a front-end utilizing both Angular and React frameworks
- ❯ Leveraged WebSocket technology for real-time updates and seamless communication between users.
- ❯ Incorporated version control integration to allow users to track document changes and collaborate efficiently.

`Node.js` `React.js` `Angular` `Pug` `MongoDB` `Redis` `Docker` `Bootstrap`

July 2024 Present	**Full-Stack Developer,** 🔗 **TeX Ready (Under Development)** , Iran, Tehran

> Developed web software for compiling and editing LATEX documents, with backend powered by Node.js and Go, and a frontend utilizing both Angular and React frameworks

> Implemented real-time features and algorithms such as OT and grammar-check

> Incorporated version control integration to allow users to track document changes and collaborate efficiently.

> Implemented scalable, cloud-based architecture to support simultaneous multi-user collaboration.

`Go` `React.js` `MongoDB` `Redis` `Bazel` `Docker` `Material UI` `Tailwind CSS`

May 2024 June 2024	**Linux System Administrator,** 🔗 **Tasmim Portfolio Management** , Iran, Tehran

> Implemented automation scripts for DevOps processes

> Maintained server infrastructure to ensure optimal performance and reliability

> Installed and configured an enterprise mail server

`Linux` `Bash` `MailU` `Docker` `Nginx`

October 2023 Present	**Full-Stack Developer & DevOps,** 🔗 **Connect ISTI** , Iran, Tehran

> Developed web software with Django, managed Linux servers, and established continuous delivery pipeline and data backup protocols

> Maintained server infrastructure to ensure optimal performance and reliability

> Collaborated on production, emphasizing intuitive UI/UX

> Improved performance, query speed, and security measures to optimize system functionality by a significant amount

> Designed and implemented optimal and clean database designs for new features

> Upgraded technologies and UI frameworks to enhance performance and user experience

> Made massive refactorings and improved the code structure for better maintenance and development

`Django` `Django ReST Framework` `Linux` `Fomantic UI` `Alpine.js` `JS` `PostgreSQL` `Redis` `GitLab CI/CD` `GitLab`

August 2023 Present	**Full-Stack Developer & DevOps,** 🔗 **Hummers Leasing** , Iran Tehran

> Developed web software with Django, managed Linux servers, and established continuous delivery pipeline and data backup protocols

> Designed and implemented optimal and clean database solutions alongside to meet the use cases

> Implemented automation scripts for DevOps processes

> Implemented automation scripts for generating documentations in LaTeX

> Implemented enterprise-level leasing management web software using Django framework for backend and Bootstrap and HTMX for frontend

> Collaborated on production, emphasizing intuitive UI/UX

> Implemented a rich feature management and ABAC(Attribute Based Access Control) system in order to evolve this software into a platform

`Django` `HTMX` `JS` `Linux` `Bootstrap` `Tabler` `CoCalc` `LaTeX` `Alpine.js` `Redis` `Moodle` `GitLab` `Selenium`

August 2023 June 2024	**Linux System Administrator,** 🔗 **Hummers Broker** , Iran, Tehran

> Implemented automation scripts for DevOps processes

> Maintained server infrastructure to ensure optimal performance and reliability

> Configured and maintained an enterprise mail server

`Linux` `Bash` `MailU` `Docker` `Nginx`

💻 Projets

2024 Present	**Personal 3D Portfolio,** 🔗 **samanznd.com**

> Immersive 3D personal portfolio platform under development, featuring cutting-edge 3D models for a rich user experience.

> Django REST Framework at the core, ensuring efficient API interactions and scalable architecture.

> JWT-based authentication for secure access and user management.

> Automated CI/CD pipeline utilizing GitHub hooks, GitHub Actions, Docker, and Jenkins for continuous integration and deployment.

> Streamlined updates and a robust, scalable infrastructure to support continuous delivery of new features and improvements.

> Focus on efficient, scalable, and secure application development for a seamless user and developer experience.

`Next.js` `Three.js` `Jenkins` `Django` `Django REST Framework` `JWT` `PostgreSQL` `Docker`

2023 **Present**	**Django Flex Report,** 🔗 PʏPI ❯ Robust Django package designed for seamless report generation with an array of powerful features. ❯ Excels in advanced and rapid search capabilities to facilitate efficient data retrieval. ❯ Highly adaptable design supporting extensive customization, including versatile access management. ❯ Table-level access control and row visibility restrictions based on user roles and attributes for better security and organization. ❯ 'Exporters' functionality allowing developers to integrate and register custom exporters, enhancing flexibility. ❯ Supports generating reports in various formats like PDFs and Excel sheets, either from comprehensive report objects or specific query sets. ❯ Built with Python, Django, Alpine.js, xlwt, and django-waffle for a modern, scalable solution across diverse project requirements. Django Alpine.js xlwt django-waffle
2023 **Present**	**Django Flex Menu,** 🔗 PʏPI ❯ Versatile Django package designed for building dynamic website menus, including both navbars and sidebars. ❯ Integrates robust access management through django-waffle for secure and flexible menu control. ❯ Emphasizes developer experience with comprehensive Django template tags, streamlining menu implementation. ❯ Supports multilingual menu items, allowing developers to manage menu titles in multiple languages effortlessly. ❯ Enhances user accessibility and localization, ensuring menus adapt to diverse linguistic requirements without losing clarity or usability. Django Alpine.js xlwt django-waffle
2023 **Present**	**Django Finnotech,** 🔗 PʏPI ❯ Django package designed for seamless integration with Finnotech, a leading Iranian provider of banking services. ❯ Utilizes Django's caching framework and session management for efficient handling of OTPs and other Finnotech functionalities. ❯ Empowers developers to build secure and high-performance applications that interact smoothly with Finnotech's services. ❯ Optimized for reliable banking service integration, enhancing both functionality and user experience. Django
2023 **Present**	**Python CoCalc,** 🔗 PʏPI ❯ Versatile Python package designed for seamless interaction with the CoCalc API, whether self-hosted or cloud-based. ❯ Facilitates the management of CoCalc instances, enabling tasks such as generating persistent and one-time PDFs through API calls. ❯ Empowers developers to automate and integrate CoCalc functionalities into their applications with ease. ❯ Enhances productivity and workflow efficiency by streamlining CoCalc management and integration. Python
2022 **2023**	**Pezeshkino,** 🔗 GɪᴛHᴜʙ ❯ Developed Pezeshkino, an app connecting patients with doctors, inspired by 🔗 Nobat 24 . ❯ Enabled online booking and payments for medical appointments, along with user-submitted doctor reviews. ❯ Integrated social media for online consultations with doctors. ❯ Built with Django and Django Rest Framework for the backend, supporting authentication with Django Allauth and Dj-Rest-Auth. ❯ Frontend developed with Vue.js and TypeScript, using Vuex for state management, Vue Router for navigation, and Chart.js for data visualization. ❯ Implemented validation and user interface enhancements with Vee-Validate, SweetAlerts2, TailwindCSS, and Flowbite. ❯ Utilized Docker and Docker Compose for containerization, Nginx for web server management, and PostgreSQL for database support. Django GeoDjango JWT Vue.js Vue Router VueX TailwindCSS Docker NGINX

2022 2023	**AZ Iranian Bank Gateways,** 🔗 GitHub
	› Made significant contributions to this open-source project, enhancing its capabilities and performance for the community.
	› Enhanced Payment Gateway Integration: Improved the integration process with various Iranian bank gateways, optimizing transaction flow and error handling for a smoother user experience.
	› Contributed to fine-tuning settings, such as currency conversion between IRR and IRT, and implemented tracking code mechanisms for better transaction tracing.
	› Assisted in building functionality for multi-bank support, including priority-based fallback mechanisms for increased transaction success rates.
	› Contributed to the development of a flexible callback system, allowing users to customize the response behavior upon successful or failed payments.
	› Participated in creating and managing sample payment systems, enabling developers to test bank gateways effectively without needing to complete actual transactions.
	Django

2022 2023	**Personal Portfolio,** 🔗 GitHub
	› Developed a full-stack web application with a Django backend and Vue.js frontend, leveraging JWT for authentication.
	› Implemented GraphQL to provide flexible and efficient data queries, with additional support for RSS feeds.
	› Used Docker for containerization and GitHub Actions for continuous integration and deployment.
	› Integrated PostgreSQL as the database, ensuring robust data management and scalability.
	› Wrote extensive test coverage with pytest and utilized Selenium for end-to-end testing, ensuring a reliable user experience.
	› Applied modern best practices and design patterns to ensure maintainability and scalability across the project.
	Django Vue.js TailwindCSS GraphQL Docker GitHub Actions NGINX PostgreSQL PyTest Selenium JWT

2021 2022	**Rubiks Food,** 🔗 GitHub
	› One of my earliest independently developed applications, created without following any courses, inspired by 🔗 GrubHub
	› Developed a full-stack web application using Django as the core framework, integrating multiple technologies and tools.
	› Implemented data processing and visualizations using scikit-learn, NumPy, pandas, Chart.js, and Leaflet, including regression analysis and geographic data representation.
	› Deployed the application on Heroku with Docker and docker-compose, managing asynchronous tasks using Celery, Redis, and RabbitMQ.
	› Enabled real-time features with Django Channels and automated notifications via WebPush.
	› Configured Elasticsearch for advanced search capabilities and utilized PostgreSQL with PostGIS for geospatial data handling.
	› Conducted end-to-end testing using Selenium, ensuring the application's reliability and performance.
	› Managed content with Django CMS, enabling easy content updates and maintenance for the blog section.
	Django GeoDjango ElasticSearch Redis RabbitMQ Jquery Docker NGINX PostGIS Selenium

2019 2020	**Weather App,** 🔗 GitHub
	› One of my first independently developed applications, created without following any courses.
	› Sleek weather app delivering real-time weather updates, powered by Django and deployed on Heroku.
	› Utilizes a PostgreSQL backend for efficient data management and jQuery for dynamic frontend interactions.
	› Provides a smooth and responsive user experience, with real-time updates and modern design.
	› Demonstrates my ability to build full-fledged applications from scratch, integrating backend reliability with an intuitive interface.
	Django Heroku Whitenoise JWT Django Allauth

🎓 Education

September 2023 Present	**Ferdowsi University of Mashhad (FUM),** Mashhad, Iran
	› Bachelor of Electrical Engineering

🔤 Languages

Persian	● ● ● ● ●
English	● ● ● ● ●