Ali Avani
Full Stack Developer | DevOps Engineer

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Born in Semnan, Iran on November 23rd, 1999. I am a passionate and results-driven Fullstack Developer with a strong focus on back-end technologies. With a deep commitment to continuous learning, I specialize in leveraging cutting-edge tools and frameworks to optimize workflows and deliver high-quality, scalable solutions. My goal is to stay ahead of emerging trends and elevate project standards through innovation and technical excellence.

⋮☰ COMPETENCIES

Personal Skills	Innovation, Creativity, Problem Solving, Time Management, Team Leadership, Quick Learner
Programming Languages	Python, JavaScript (JS/ES), TypeScript, C/C++, Java, Go, GraphQL, Bash
Frameworks & Libraries	Django, Flask, Celery, Bootstrap, Semantic UI, Fomantic-UI, HTMX, Alpine.js, Node.js, React, React Vite, React Native, Next.js, Angular, Ionic, MUI, Ant Design, Express.js, Three.js, Spring Boot, WordPress
DBMS	Microsoft SQL Server, MongoDB, PostgreSQL, MySQL/MariaDB, Redis
Development Tools	Visual Studio Code, Git, GitLab, Docker, Nginx, Terraform
3D Modeling	Blender
Operating Systems	Ubuntu Server/Desktop, Arch Linux, Windows
Cloud Platforms	AWS, Google Cloud
Artificial Intelligence	PyTorch, OpenAI Services, Vertex AI, TensorFlow
Additional Skills	LaTeX, Embedded Systems/IoT, Software Architecture, ICDL, LPIC 1 & 2, CoCalc, Moodle, BigBlueButton, DaVinci Resolve, Adobe Photoshop, Google Sheets, MikroTik, Machine Learning & Deep Learning, Godot, Piano

💼 WORK EXPERIENCE

August 2024 – Present

Technical Lead & Founding Team Member, 🔗 CANADA PRIME JOBS (CPJ), Vancouver, Canada

- ❯ Spearheaded the design and architecture of the software system using Django and GraphQL for seamless scalability and performance.
- ❯ Automated the Google Cloud CI/CD pipeline from scratch, streamlining deployment processes and ensuring efficient project delivery.
- ❯ Designed new pub/sub systems for better performance on Django, along with multi-container processes to optimize resource management.
- ❯ Led the UX/UI design process, providing strategic advice to enhance user experience and interface design for various web applications.
- ❯ Developed a notification system for managing campaigns, allowing efficient communication and tracking for marketing efforts.
- ❯ Worked on React and Vite projects, using Next UI and Apollo Client to improve front-end performance and data handling.
- ❯ Created a WordPress website to manage the academy, fully integrated with Django for a unified system.
- ❯ Deployed cloud infrastructure using Terraform, managing PostgreSQL, Django, Redis, load balancers, storage, and other necessary services in Google Cloud, following a fully cloud-native approach.
- ❯ Integrated AI-based processing using ChatGPT and Vertex AI to enhance various business processes and optimize decision-making.

`Django` `GraphQL` `Google Cloud` `Terraform` `PostgreSQL` `Redis` `CI/CD` `React` `WordPress` `UI/UX Design`

June 2024

WordPress Developer, 🔗 CORPGENIUS, San Francisco, United States

- ❯ Developed landing pages for the CorpGenius application using WordPress
- ❯ Built custom dynamic theme with Elementor for enhanced user experience
- ❯ Optimized website performance using LiteSpeed web server

`Linux` `WordPress` `MySQL` `Elementor`

May 2024

WordPress Developer, 🔗 ARAJ INSTITUTE, Tehran, Iran

- ❯ Redesigned website theme to improve online course purchasing and certificate export functionality

`Linux` `WordPress` `MySQL` `Elementor`

May 2024
July 2024

DevOps Engineer, 🔗 TASMIM ASSET MANAGEMENT, Tehran, Iran
> ❯ Led the DevOps team to achieve key strategic goals and initiatives
> ❯ Designed and optimized IT infrastructure for peak performance and reliability
> ❯ Implemented automation scripts to streamline DevOps processes

Linux   Moodle   GitLab   Mail

February 2024

WordPress Developer, 🔗 AI ARK, San Francisco, United States
> ❯ Developed landing pages for the AI Ark application with WordPress
> ❯ Created dynamic themes using Elementor to improve site usability
> ❯ Enhanced website performance with LiteSpeed web server technology

Linux   WordPress   MySQL   Elementor

August 2022

Present

Technical Lead, Web Developer & DevOps Engineer, 🔗 HUMMERS LEASING & 🔗 HUMMERS BROKER, Tehran, Iran
> ❯ Led development of enterprise-level leasing management software with Django and Bootstrap
> ❯ Optimized UI/UX for improved user experience and productivity
> ❯ Streamlined DevOps processes with automation and optimized server infrastructure

Linux   Django   Bootstrap   HTMX   PostgreSQL   Redis   Selenium   CoCalc   Moodle   GitLab   LaTeX

July 2022

WordPress Developer, 🔗 AI BEES, San Francisco, United States
> ❯ Developed landing pages for AI bees application with WordPress
> ❯ Customized templates with Elementor for dynamic content presentation
> ❯ Improved website performance using LiteSpeed web server

Linux   WordPress   MySQL   Elementor

May 2022
Present

Web Developer, Systems Analyst & DevOps, 🔗 TEXREADY, Tehran, Iran
> ❯ Developed a web platform for compiling and editing LaTeX documents using Node.js, Go, Angular, and React
> ❯ Provided system architecture analysis and detailed task descriptions as Systems Analyst

Linux   Node.js   Go   React   Angular   MongoDB   GitLab   LaTeX

February 2022
Present

Technical Lead, Web Developer & DevOps, 🔗 CONNECT ISTI, Tehran, Iran
> ❯ Spearheaded the development of web applications using Django, ensuring efficient backend architecture and performance optimization
> ❯ Managed and optimized Linux-based server infrastructure, ensuring high availability, scalability, and security
> ❯ Established continuous delivery pipelines and automated deployment workflows using GitLab CI/CD, streamlining the development lifecycle
> ❯ Implemented robust data backup protocols to safeguard critical business data
> ❯ Enhanced UI/UX by upgrading frontend technologies, improving user experience and performance
> ❯ Optimized database queries and system performance, significantly reducing response times and improving overall system reliability

Linux   Django   HTML5   JavaScript   Semantic UI   Fomantic-UI   PostgreSQL   Redis   GitLab   GitLab CI/CD

February 2022
Present

Technical Lead & Web Developer, 🔗 EINSTEINO, Berlin, Germany
> ❯ Developed an AI assistant project to streamline clinic appointment scheduling
> ❯ Created backend API using Spring Boot and frontend with Next.js
> ❯ Focused on intuitive UI/UX design to enhance patient experience

Linux   Java   Spring Boot   PostgreSQL   MySQL   Next.js   MUI   Ant Design   GitLab   GitLab CI/CD

February 2022

Front-end Developer, RASA CO., Semnan, Iran
> ❯ Developed the company's main website with interactive 3D animation using React and Three.js
> ❯ Focused on UI/UX design for seamless user interaction
> ❯ Created 3D models using Blender for website integration

Linux   React   Three.js   Git   Blender

December 2021 | WordPress Developer, 🔗 SEMNANRS, Semnan, Iran
- ❯ Created WordPress website for online courses and presentation using BigBlueButton

Linux | WordPress | MySQL | BigBlueButton

July 2021 | Technical Lead & Web Developer, RAWBOOM, Semnan, Iran
- ❯ Founded and led a startup, overseeing development from inception to completion
- ❯ Designed and developed a web application for creating and editing slides and images
- ❯ Implemented Django backend, PostgreSQL database, JWT authentication, and Docker deployment
- ❯ Developed UI/UX with React and Ionic

Linux | Docker | React | Ionic | Python | Django | PostgreSQL | Redis | GitLab | GitLab CI/CD

May 2021 | Front-end & Embedded Developer, SMART THERMOSTAT, Semnan, Iran
- ❯ Collaborated on board design and development for embedded systems (ESP32)
- ❯ Developed cross-platform mobile apps using React Native
- ❯ Focused on intuitive UI/UX for smart thermostat applications

ESP32 | C | React Native | MongoDB

October 2020 | WordPress Developer, 🔗 ARAJGROUP, Tehran, Iran
- ❯ Developed WordPress website for online course purchases and certificate exports

WordPress | MySQL

January 2020 | Technical Lead & Web Developer, SDMS, Semnan, Iran
- ❯ Led the design and development of a web application for managing big data and generating dynamic reports
- ❯ Developed Django backend, PostgreSQL database, JWT authentication, and Docker deployment
- ❯ Built UI/UX using React and managed IT infrastructure

Linux | Docker | React | MUI | Python | Django | PostgreSQL | Redis | GitLab | GitLab CI/CD

September 2019 | Technical Lead & Web Developer, DITO, Semnan, Iran
- ❯ Founded and managed a startup, overseeing its full lifecycle
- ❯ Developed an online course management platform with Django and React
- ❯ Implemented JWT authentication, Docker deployment, and CI/CD pipeline

Linux | Docker | React | MUI | Python | Django | PostgreSQL | Redis | GitLab | GitLab CI/CD

September 2019 | Technical Lead & Web Developer, RACK MANAGEMENT SYSTEM, Semnan, Iran
- ❯ Developed web application for managing racks within data centers using Node.js and Socket.IO
- ❯ Designed and implemented application UI
- ❯ Developed key functionalities for embedded devices in C

Linux | Docker | Mikrotik | Node.js | Socket.IO | Semantic UI | C | MongoDB | Redis

May 2018 | WordPress Developer, KAZMAA, Semnan, Iran
- ❯ Designed and developed WordPress website for online course purchases
- ❯ Created custom plugins and video encryption for password-protected content

WordPress | PHP | Bootstrap

June 2017
September 2017 | IT Technician, PAYA SYSTEM, Semnan, Iran
- ❯ Managed and maintained networking and cabling infrastructure
- ❯ Provided technical support for network devices

Mikrotik

June 2016
September 2016 | Technical Support, 🔗 SHEED SOFT, Semnan, Iran
- ❯ Provided customer service and technical support for software solutions

Support

💡 PROJECT

2024 | Django Flex PubSub, 🔗 PʏPI
- ❯ Engineered a flexible pub/sub system for managing subscriptions, tasks, and schedulers, integrated with Django via management commands
- ❯ Enabled scalable execution of tasks and subscriptions across individual or shared containers, optimizing resource allocation
- ❯ Delivered robust, high-performance pub/sub architecture that supported complex, real-time data workflows in large-scale systems

`Python` `Django` `Pub/Sub` `Google Cloud Platform (GCP)`

2024 | Django Flex Observer, 🔗 PʏPI
- ❯ Developed a powerful observer pattern based on Django signals for real-time event-driven architectures
- ❯ Allowed efficient monitoring and automatic reaction to changes in model fields, boosting system responsiveness
- ❯ Optimized for scalability, ensuring smooth real-time event handling in large, distributed Django applications

`Python` `Django` `Event-driven Architecture`

2024 | Django Flex Blob, 🔗 PʏPI
- ❯ Designed a secure media file management system with object-based permissions for granular access control
- ❯ Streamed media files seamlessly from various storage backends, including Google Cloud Storage and Django's built-in media management
- ❯ Integrated with GraphQL, offering efficient querying and management of media files, enhancing data access and retrieval
- ❯ Optimized for performance, enabling smooth handling of large media files with minimal latency

`Python` `Django` `GraphQL` `Google Cloud Storage`

2023 | Cocalc Python, 🔗 PʏPI
- ❯ Led development of high-performance solutions for scalable PDF generation in Django projects using CoCalc APIs and LaTeX templates
- ❯ Enabled dynamic PDF creation that integrated smoothly with any Django project, enhancing user workflows
- ❯ Demonstrated reliability through widespread implementation in enterprise-level projects, driving efficiency and cost savings

`Python` `Django` `LaTeX` `CoCalc`

2022 | Django Flex Report, 🔗 PʏPI
- ❯ Automated report generation from diverse data sources, allowing rapid and flexible report creation
- ❯ Implemented an adaptable architecture for customizable output formats and destinations, enabling easy integration with any Django project
- ❯ Deployed successfully across numerous enterprise projects, proving its scalability, reliability, and impact

`Python` `Django` `django-waffle` `django-filter`

🎓 EDUCATION

September 2018 Present | Semnan University, SEMNAN, IRAN
- ❯ Bachelor of Computer Engineering

March 2013 March 2018 | Shokouh-E-Danesh Language Institute, SEMNAN, IRAN
- ❯ Achieved proficiency levels from A0 to C1
- ❯ English Teaching Degree

⚜ Awards

November 2021	World Skill, Country stage, Mashhad, Iran
	❯ 7th Place in Programming & Web Development Skills in Iran
November 2017	World Skill, Provincial stage, Semnan, Iran
	❯ First place in IT Software Solutions for Business major in Semnan province.

🅰🈂 Languages

Persian ●●●●●
English ●●●●
Germany ●●