

Ali AVANI

Fullstack Developer | Team Lead | Cloud & DevOps Engineer

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Team Lead and Django/Python expert with over 7 years of experience delivering high-performance platforms for large user bases that run at 99.97% uptime and sub-150 ms p95 latency. I inspire and guide engineering teams to meet ambitious goals, ensure reliable, scalable solutions, and drive timely product launches. Renowned for boosting system speed and stability, I translate business needs into impactful features and mentor talent to excel in fast-paced environments.

COMPETENCIES

Soft Skills	Team Leadership, Innovation, Creativity, Problem Solving, Time Management, Quick Learner
Programming Languages	Python, JavaScript (JS/ES), TypeScript, C/C++, Java, Go, GraphQL, Bash
Frameworks	Django, Flask, FastAPI, Node.js, React/Vite, Next.js, React Native, Angular, Ionic, Express.js, Three.js, Spring Boot, Bootstrap, Semantic UI, Fomantic-UI, HTMX, Alpine.js, MUI, Ant Design, WordPress
Databases	PostgreSQL, MongoDB, Microsoft SQL Server, MySQL/MariaDB, Redis, MeiliSearch
Cloud Platforms & DevOps	Google Cloud, Grafana, Prometheus, Docker, Terraform, Nginx, GitLab CI/CD, n8n
AI & ML	OpenAI Services, Vertex AI, PyTorch, TensorFlow, MCP
Development Tools	GitLab, Git, GitHub, Docker, n8n
Operating Systems	Ubuntu Server/Desktop, Arch Linux, Windows
Additional Technical Skills	MikroTik, Wireshark, RabbitMQ, Embedded Systems/IoT, Software Architecture, LaTeX, Adobe Photoshop, DaVinci Resolve, Google Sheets, Godot Engine, Blender

WORK EXPERIENCE

August 2024 Present	<div>Technical Lead &amp; Founding Team Member,  CANADA PRIME JOBS (CPJ), Vancouver, Canada</div> <div><div><div>Led</div>and mentored the backend team—defined coding standards, conducted reviews, and met every quarterly OKR.</div><div>Designed</div>, built, and operated a high-traffic, scalable Django &amp; PostgreSQL backend; tuned indexes, queries, and Redis caches for peak performance.</div> <div>Decomposed</div> the monolith into reusable Python packages (auth, storage, notifications, campaigns, pub/sub) to accelerate feature delivery.
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Integrated

Added

Integrated

Developed

Enhanced

Automated

DjangoPythonPostgreSQLRedisGraphQLMeiliSearchn8nSentryChatGPTVertex AIMCPWordPress

ReactViteApollo ClientGoogle CloudTerraformDockerCI/CD

February 2022 Present	<p><b>Technical Lead &amp; Web Developer,  CONNECT ISTI, Tehran, Iran</b></p> <ul style="list-style-type: none"> <li>➤ <b>Led</b> backend development on a Django, PostgreSQL, and Redis stack supporting national research collaboration.</li> <li>➤ <b>Refactored</b> live modules to eliminate bottlenecks and trim response times with zero downtime.</li> <li>➤ <b>Closed</b> critical API and data-security gaps; maintained 99% uptime via proactive monitoring and fail-over scripting.</li> <li>➤ <b>Established</b> GitLab CI/CD pipelines and hardened Linux server infrastructure for high availability and secure, repeatable releases.</li> <li>➤ <b>Ran</b> daily stand-ups, assigned tasks, and conducted code reviews for a four-developer team.</li> <li>➤ <b>Enhanced</b> frontend usability and accessibility by replacing legacy UI widgets with Semantic UI and Fomantic-UI.</li> </ul> <p>Django Team Leadership PostgreSQL Redis Semantic UI Fomantic-UI GitLab CI/CD Linux DevOps</p>
February 2022 Present	<p><b>Technical Lead &amp; Web Developer,  EINSTEINO, Berlin, Germany</b></p> <ul style="list-style-type: none"> <li>➤ <b>Built</b> an AI-powered voice assistant for appointment booking, combining OpenAI Whisper STT with asynchronous Django task queues.</li> <li>➤ <b>Maintained</b> a ChatGPT-style web agent on a Django REST Framework backend and React Vite frontend.</li> <li>➤ <b>Engineered</b> a high-throughput ingestion pipeline that pulls large text datasets from third-party APIs, respects rate limits, and normalises data into PostgreSQL tables for LLM training.</li> <li>➤ <b>Published</b> partner REST endpoints in Django and shipped live-data dashboards in Next.js and Tailwind to track usage and dataset growth.</li> </ul> <p>Django DRF React Vite Next.js PostgreSQL OpenAI Whisper Tailwind GitLab</p>
July 2021	<p><b>Technical Lead &amp; Web Developer, RAWBOOM, Semnan, Iran</b></p> <ul style="list-style-type: none"> <li>➤ <b>Founded</b> a startup and co-developed a real-time presentation platform with Django &amp; PostgreSQL backend for slide templates and asset management.</li> <li>➤ <b>Served</b> business logic via GraphQL (graphene-django) with shared utilities to eliminate duplicate code and maintain low latency.</li> <li>➤ <b>Integrated</b> Django Channels for live collaborative editing and containerized the full stack (Django, React/Ionic) with Docker for seamless local and cloud deployment.</li> <li>➤ <b>Built</b> a React/Ionic frontend to complement the Django backend and enhance user interactivity.</li> </ul> <p>Django Team Leadership GraphQL (graphene) PostgreSQL WebSockets (Django Channels) React Ionic Docker</p>
January 2020	<p><b>Technical Lead &amp; Web Developer, SDMS, Semnan, Iran</b></p> <ul style="list-style-type: none"> <li>➤ <b>Built</b> a large-scale data platform in Django/PostgreSQL using partitioning, JSONB, and full-text search to serve millions of records in milliseconds.</li> <li>➤ <b>Created</b> a database-driven “formula engine” that stores and evaluates complex statistical indices on demand with optimized ORM queries.</li> <li>➤ <b>Offered</b> data through REST (DRF) and GraphQL (graphene-django) endpoints, leveraging shared mixins to eliminate boilerplate.</li> <li>➤ <b>Led</b> sprint planning and progress tracking to ensure on-time delivery of major features; standardized Docker for development and deployment.</li> <li>➤ <b>Developed</b> a React frontend to complement the Django backend and enhance user interactivity.</li> </ul> <p>Django Team Leadership DRF GraphQL (graphene) PostgreSQL React Docker</p>
January 2019	<p><b>Technical Lead &amp; Web Developer, DITO, Semnan, Iran</b></p> <ul style="list-style-type: none"> <li>➤ <b>Founded</b> and <b>architected</b> a Django/PostgreSQL learning-management system.</li> <li>➤ <b>Added</b> real-time whiteboard and group chat via Django Channels and WebSockets.</li> <li>➤ <b>Delivered</b> course management, dynamic quizzes, auto-grading, attendance tracking, and teacher dashboards.</li> <li>➤ <b>Optimized</b> event broadcasting to support dozens of concurrent classroom users with sub-second latency; containerized everything with Docker.</li> <li>➤ <b>Developed</b> a React frontend to enhance user interactivity.</li> </ul> <p>Django Team Leadership Django Channels WebSockets (Django Channels) PostgreSQL Docker React</p>

## FREELANCE EXPERIENCE

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June 2024	<p>WordPress Developer,  <b>CORPGENIUS</b>, San Francisco, United States</p> <ul style="list-style-type: none"><li>› <b>Developed</b> dynamic landing pages and custom themes with Elementor.</li><li>› <b>Optimized</b> site performance using LiteSpeed server technologies.</li></ul> <p>WordPress Elementor MySQL Linux</p>
May 2024	<p>WordPress Developer,  <b>ARAJ INSTITUTE</b>, Tehran, Iran</p> <ul style="list-style-type: none"><li>› Redesigned WordPress theme to enhance online course sales and certification.</li></ul> <p>WordPress Elementor MySQL Linux</p>
February 2024	<p>WordPress Developer,  <b>AI ARK</b>, San Francisco, United States</p> <ul style="list-style-type: none"><li>› <b>Built</b> WordPress landing pages and dynamic Elementor-based sites.</li><li>› <b>Enhanced</b> site speed using LiteSpeed web server.</li></ul> <p>WordPress Elementor MySQL Linux</p>
May 2024 July 2024	<p>DevOps Engineer,  <b>TASMIM ASSET MANAGEMENT</b>, Tehran, Iran</p> <ul style="list-style-type: none"><li>› <b>Led</b> DevOps team initiatives and optimized IT infrastructure for performance and reliability.</li><li>› <b>Developed</b> automation scripts for deployment workflows.</li></ul> <p>Linux Moodle GitLab Automation</p>
July 2022	<p>WordPress Developer,  <b>AI BEES</b>, San Francisco, United States</p> <ul style="list-style-type: none"><li>› <b>Developed</b> responsive landing pages with Elementor.</li><li>› <b>Improved</b> website loading speed with LiteSpeed optimization.</li></ul> <p>WordPress Elementor MySQL Linux</p>
May 2022 Present	<p>Web Developer &amp; Systems Analyst,  <b>TEXREADY</b>, Tehran, Iran</p> <ul style="list-style-type: none"><li>› <b>Built</b> a collaborative <math>\text{\LaTeX}</math> web platform using Node.js, Go, Angular, and React.</li><li>› <b>Conducted</b> system architecture design and analysis.</li></ul> <p>Node.js Go React Angular MongoDB GitLab <math>\text{\LaTeX}</math></p>
February 2022	<p>Front-end Developer, <b>RASA Co.</b>, Semnan, Iran</p> <ul style="list-style-type: none"><li>› <b>Built</b> a 3D interactive site using React and Three.js.</li><li>› <b>Designed</b> 3D assets with Blender for web integration.</li></ul> <p>React Three.js Blender Git</p>
December 2021	<p>WordPress Developer,  <b>SEMNaNRS</b>, Semnan, Iran</p> <ul style="list-style-type: none"><li>› <b>Built</b> a WordPress-based online course site integrated with BigBlueButton.</li></ul> <p>WordPress MySQL BigBlueButton</p>
October 2020	<p>WordPress Developer,  <b>ARAJGROUP</b>, Tehran, Iran</p> <ul style="list-style-type: none"><li>› <b>Built</b> WordPress websites for online course management and certification.</li></ul> <p>WordPress MySQL</p>
May 2021	<p>Front-end &amp; Embedded Developer, <b>SMART THERMOSTAT</b>, Semnan, Iran</p> <ul style="list-style-type: none"><li>› <b>Developed</b> embedded applications on ESP32 and mobile apps with React Native.</li></ul> <p>ESP32 C React Native MongoDB</p>
September 2019	<p>Technical Lead &amp; Web Developer, <b>RACK MANAGEMENT SYSTEM</b>, Semnan, Iran</p> <ul style="list-style-type: none"><li>› <b>Built</b> a rack management system for data centers using Node.js and Socket.IO.</li></ul> <p>Node.js Socket.IO MongoDB Redis MikroTik</p>

May 2018 | WordPress Developer, KAZMAA, Semnan, Iran  
‣ Developed WordPress educational websites and custom plugins.

WordPress PHP Bootstrap

June 2017 | IT Technician, PAYA SYSTEM, Semnan, Iran  
September 2017 | ‣ Managed network infrastructure and provided technical support.

MikroTik

June 2016 | Technical Support, SHEED SOFT, Semnan, Iran  
September 2016 | ‣ Provided technical and customer support for software solutions.

Support

## 💡 PERSONAL PROJECT

2025 | Personal Portfolio Website, ALI AVANI  
‣ Implemented smooth animations and micro-interactions using Framer Motion, creating an engaging user experience with optimized performance  
‣ Built with modern React architecture featuring component-based design, TypeScript integration, and mobile-first responsive layout

React TypeScript Tailwind CSS Framer Motion

2024 | Django Flex PubSub, PYPI  
‣ 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

Django Pub/Sub Google Cloud Platform (GCP)

2024 | Django Flex Observer, PYPI  
‣ 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


Django Event-driven Architecture

2024 | Django Flex Blob, PYPI  
‣ 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

Django GraphQL Google Cloud Storage

2023 | Cocalc Python, PYPI  
‣ 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

Django LaTeX CoCalc

2022	<b>Django Flex Report,  PyPI</b> <ul style="list-style-type: none"> <li>➤ Automated report generation from diverse data sources, allowing rapid and flexible report creation</li> <li>➤ Implemented an adaptable architecture for customizable output formats and destinations, enabling easy integration with any Django project</li> <li>➤ Deployed successfully across numerous enterprise projects, proving its scalability, reliability, and impact</li> </ul>
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Django
django-waffle
django-filter

## EDUCATION

September 2018 Present	<b>Semnan University, SEMNAN, IRAN</b> <ul style="list-style-type: none"> <li>➤ Bachelor of Computer Engineering</li> </ul>
March 2013 March 2018	<b>Shokouh-E-Danesh Language Institute, SEMNAN, IRAN</b> <ul style="list-style-type: none"> <li>➤ Completed English language program from A1 to C1 proficiency level.</li> <li>➤ Awarded English Teaching Certificate upon graduation.</li> </ul>

## AWARDS

November 2021	<b>World Skill, COUNTRY STAGE, MASHHAD, IRAN</b> <ul style="list-style-type: none"> <li>➤ 7th Place in Programming &amp; Web Development Skills in Iran</li> </ul>
November 2017	<b>World Skill, PROVINCIAL STAGE, SEMNAN, IRAN</b> <ul style="list-style-type: none"> <li>➤ First place in IT Software Solutions for Business major in Semnan province.</li> </ul>

## LANGUAGES

Persian	    
English	    
Germany	 