



سروش مرشدی

Full Stack Developer

1996-08-16

Marital Status: Married

Military Service: Not Served

devoplersoroosh@gmail.com

(+98)9171035930

github.com/Cybernith

pasdaran blv, Shiraz, Fars, Iran



## Profile Summary

Full-Stack Developer | Technical Architect | Web3 & Cloud Enthusiast

Experienced Full-Stack Developer with 7+ years of proven expertise in building, scaling, and deploying high-performance web applications. I specialize in Django, DRF, PostgreSQL, MongoDB, Docker, and modern front-end frameworks such as Nuxt.js and Vue.js.

As CTO and Lead Developer at Exuni.ir, I built the entire platform from scratch including both the backend (Django, DRF, PostgreSQL) and the frontend (Nuxt.js, Vue CLI). At Sobhan.Cloud, I worked as a Full-Stack Developer and CTO assistant over 4 years, contributing to cloud infrastructure and multi-tenant SaaS systems. At Deus.Finance, a Web3 and crypto-focused platform, I developed backend integrations for digital assets and secure financial operations.

Previously, at Hamian Omid Farda, I served as a Full-Stack Developer using Django templates for enterprise business systems, contributed to unitap.app as a Front-End Developer, building user-friendly interfaces and optimized UIs.

Passionate about clean architecture, scalability, and secure design, I thrive in remote, collaborative environments where engineering excellence and innovation drive success.

💡 Specialties: Django, DRF, PostgreSQL, MongoDB, Docker, Dokku, Nuxt.js, Vue.js, REST API, Microservices, Cloud Deployment, Web3 Integrations, Scalable Architecture, CI/CD



## Technical Skills

### Backend Development

- Backend Frameworks: Django, Django REST Framework (DRF), Flask, FastAPI
- API Technologies: RESTful API Design, GraphQL (Ariadne, Strawberry, Graphene)
- Programming Languages: Python (Advanced), JavaScript, TypeScript
- Asynchronous & Messaging Systems: Celery, Redis, RabbitMQ
- Web Servers & Deployment: Gunicorn, NGINX, Docker, Docker Compose
- Databases: PostgreSQL, MongoDB, MySQL
- Database Schema Design, Query Optimization, Indexing, and Performance Tuning
- Authentication & Authorization: JWT, OAuth2, Session-based Authentication
- Architecture & Systems Design:
  - Microservices Architecture, Event-driven Systems, Scalable System Design
  - Audit Logging, Wallet Management, Financial System Development
- Caching & Performance: Redis, Query Caching, Lazy Loading Strategies
- Testing & Quality Assurance: Pytest, Unit Testing, Integration Testing, CI/CD (GitHub Actions, GitLab CI)
- DevOps & Tools: Linux Server Administration, Git, Bash Scripting, WebSockets, Nginx Reverse Proxy

## Frontend Development

- Frameworks & Libraries: Vue.js, Nuxt.js, Vue CLI, Vuex, Pinia, Bootstrap, Tailwind CSS
- Programming & Markup: JavaScript (ES6+), TypeScript (basic), HTML5, CSS3, SCSS
- State Management & Data Flow: Vuex, Pinia, Context API, Reactive Data Binding
- API & Integration: RESTful API consumption, GraphQL integration, Axios / Fetch
- Responsive & Adaptive Design: Mobile-first design, Cross-browser compatibility, CSS Grid & Flexbox
- UI/UX Practices: Component-based design, Accessibility (WCAG), Performance optimization
- Testing & Debugging: Browser DevTools, Jest (unit testing), Cypress (end-to-end testing)
- Front-End Build & Deployment Tools: Webpack, Vite, NPM/Yarn, Continuous Integration with Frontend Pipelines

## DevOps, Deployment & Cloud Skills

- Containerization & Orchestration: Docker, Docker Compose, Dokku
- Web Servers & Reverse Proxy: Nginx, Unicorn, Uvicorn
- Continuous Integration / Continuous Deployment (CI/CD): GitHub Actions, GitLab CI, Automated Pipelines, Deployment Automation
- Cloud & VPS Management: AWS, DigitalOcean, Hetzner, VPS setup & monitoring, Environment isolation, Backup & Recovery
- System Administration: Linux Server Management (Ubuntu), Shell Scripting, Package Management, Cron Jobs
- Security & Performance: Server Hardening, SSL/TLS Configuration, Firewall setup, Monitoring & Logging, Resource optimization
- Monitoring & Observability: VPS monitoring tools, real-time server metrics, logs, alerts, uptime monitoring

## Databases & Search

- Relational Databases: PostgreSQL — Advanced schema design, query optimization, indexing, partitioning, transactional integrity
- NoSQL Databases: MongoDB, Redis — Key-value storage, caching, pub/sub, in-memory data structures
- Search & Indexing: Elasticsearch (Basic → Advanced ready), Full-Text Search, Django Search API (SearchVector, TrigramSimilarity), optimized indexing strategies
- Caching & Performance: Redis caching, query result caching, lazy loading, performance profiling, database sharding strategies
- Data Reliability & Consistency: ACID compliance, backup strategies, replication, failover handling

## Software Architecture & System Design

- Architectural Patterns: Clean Architecture, Modular Design, Layered & Hexagonal Architecture, Scalable System Design
- System Design: Microservices, Event-Driven Architecture (EDA), Domain-Driven Design (DDD), API Versioning & Documentation (Swagger / drf-spectacular)
- High Availability & Scalability: Load balancing, horizontal scaling, fault-tolerant systems, distributed systems patterns
- Security & Maintainability: Secure architecture design, authentication & authorization strategies, logging & auditing, monitoring & observability
- Best Practices: SOLID principles, Dependency Injection, Test-Driven Development (TDD), Continuous Integration & Deployment (CI/CD)



## Social Network



sorooshmorshedi



## Work Experience

### مدیر ارشد فناوری CTO

exuni.ir

Shiraz, Fars, Iran

May 2024 - Present

#### Tasks and Achievements

CTO & Lead Full-Stack Developer in Exuni.ir

May 2024 - Present

Built Exuni, a next-generation affiliate-based e-commerce platform, completely from scratch using Django, DRF, PostgreSQL, mongoDB, Nuxt.js, and Vue CLI.

Designed and implemented the full system architecture, including inventory management, advanced search (SearchVector, TrigramSimilarity), and scalable financial modules (wallet, audit log, transaction tracking).

Led all stages of the development lifecycle - from concept and database design to Dockerized deployment and CI/CD setup.

Established a high-performance infrastructure supporting thousands of concurrent users with strong focus on security, scalability, and maintainability.

### توسعه‌دهنده FullStack

بازرگانی حامیان امید فردا

Tehran, Iran

September 2022 - April 2023

#### Tasks and Achievements

Full-Stack Developer - Hamian Omid Farda

September 2022 - April 2023

Developed and maintained multiple internal enterprise systems using Django and Django Templates.

Collaborated with a cross-functional team to digitize manual workflows, improving overall efficiency by 40%.

Ensured clean, maintainable, and well-documented code following agile development practices.

### دستیار CTO

sobhan.cloud

Shiraz, Fars, Iran

January 2020 - January 2025

#### Tasks and Achievements

CTO assistant - Full-Stack Developer - Sobhan.Cloud

Jan 2020 - Apr 2024

Developed core components of a cloud service platform providing SaaS and infrastructure hosting.

Worked on both frontend (Vue.js) and backend (Django, DRF) to deliver multi-tenant systems with dynamic configuration management.

Contributed to cloud API development, billing automation, and integration with external storage and service providers.

Collaborated closely with the CTO to optimize system performance and ensure high reliability under heavy load.

### برنامه‌نویس ارشد Back-End

deus.finance

Iran

June 2021 - November 2023

#### Tasks and Achievements

Backend Developer - Deus.FinanceRemote | Jun 2021 – Dec 2021

Built and maintained backend services for a Web3 / crypto investment platform, focusing on secure digital asset management and transaction reliability. Integrated RESTful APIs with blockchain-based systems and external crypto exchanges. Implemented advanced audit and logging systems to ensure transparency and traceability in all financial operations. Optimized database queries and caching to handle large volumes of real-time crypto transactions.

برنامه نویسی ارشد Front-End

Unitap.app

Iran

Tasks and Achievements

Front-End Developer - Unitap.app

Remote | 2022 – 2024

Designed and implemented responsive, user-friendly front-end interfaces using Next.js, TypeScripts and modern UI/UX principles.

Collaborated with the backend team to integrate APIs and ensure seamless data flow.

Improved front-end performance and accessibility across multiple device types.



Education- Certificates

Bachelor of Computer

Branch: Software Engineering

Institute/University: Amirkabir University of Technology

Iran

**Bachelor's Degree in Computer Engineering - Software**Amirkabir University of Technology (Tehran Polytechnic), Iran 2014 - 2018Focused on software architecture, algorithms, data structures, and web application development.

Google Cloud Professional Developer

Institute/University: Google Cloud

Iran

**Google Cloud Professional Developer**Cloud-native application development, deployment, and management on Cloud Platform

Offensive Security Web

Iran

GPA: Offensive Security

**OSWE: Offensive Security Web Expert**Web application penetration testing and security auditing, including real-world lab-based exercises.

Harvard CS50

Institute/University: Harvard University / edX

Iran

Harvard CS50: Introduction to Computer Science

Fundamental computer science concepts including algorithms, data structures, and programming in C, Python, and JavaScript.

Professional Programming

Institute/University: Harvard Extension School

Iran

**Professional Programming: Harvard Extension School**Advanced software engineering techniques, object-oriented programming, and project-based learning in professional environments.



Skills

Python برنامه نویسی



Django برنامه نویسی



Django rest framework



JavaScript



Vue.js



Nuxt.js



Vuetify



Software Database design



wordpress development



Git



Git flow



html



Css



ubuntu linux



Windows



Arch linux



cryptocurrency



Blockchain



DevOps



Flask



SOLID



OOP



UIUX



Agile development



E2E testing



Web scraping



MVC شی گزایی و



Fast Api



Unit testing software



Database design software



NoSQL



PostgreSQL



MySQL



MongoDB



Design pattens



و برنامه نویسی آنها AVR میکروکنترلر های



micro service programming



RESTful طراحی وب سرویس های



Tailwind



CI/CD



dokku



## Language

### English

Reading



Writing



Speaking



Listening





## Patents

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### the spiral rotating electric toothbrush

26 - 2 - 2014

Link: <https://darkob.co.ir/patent-details/38835/مسواک-الکتریکی-چرخان-مارپیچی>

The invention of the spiral rotating electric toothbrush is that the brush head rotates in a spiral (Archimedes) direction with its continuous and smooth movement in line with the axis of the brush, and the soft, special bristles of this brush clean the teeth by rotating. Its bristles are retractable and can clean between the teeth, meaning they also do the job of flossing. A protective layer is located on the outside of the teeth, which when used, is placed on the teeth in a way that prevents material from splashing. Also, with a special spiral rotation and the way its bristles are positioned, it pushes food residue out of the mouth.



## Teaching

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### Teaching AVR microcontroller programming

with over four years of experience

Link: <https://www.novinrobotic.com/>

Teaching AVR microcontroller programming and robotics in novin robotic society for children and Three students win national awards



## Research & Academic Projects

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### Awards & Achievements

**Collaborated on the design and programming of magnetic object-collecting robots at Sharif University's Robotics Lab.** Developed firmware and control logic for AVR microcontrollers (ATmega series) in C language. Implemented motion control algorithms, magnetic actuator control, and real-time sensor integration. Participated in hardware - software integration and testing of autonomous robotic prototypes. **1st Place Nationwide (Two Consecutive Years) — Robotics / Programming Competitions, Sharif University of Technology** Won first place in national robotics competitions for two consecutive years, leading projects on magnetic object-collecting robots. Recognized for innovative design, programming excellence, and system integration.