

Nasir Shadravan

Amsterdam, The Netherlands

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Summary

I'm a Python software engineer with 15 years experience with a high interest in moving in AI. I have several years of running a software business can understand and reflect the business requirements in the technology stack efficiently. I strive to keep solutions as simple as possible to increase maintainability and reduce complexity.

Interests

Artificial Intelligence

LARGE LANGUAGE MODELS

- GPT-3
- Natural Language Processing
- Prompt Engineering
- Generative AI
- Building AI pipelines
- Simplifying AI apps for the end users

Software Architecture Design

- Building and scaling software setup.
- Setting up automated pipeline across the software lifecycle.
- Building web apps and APIs.

Experience

DELTA Fiber (deltafiber.nl)

Schiedam, The Netherlands

PROVISIONING TEAM, PYTHON DEVELOPER

Oct. 2022 - Jan 2023

- Setup Airflow as the workflow engine for network orchestration.
- Implemented various Airflow workflows to automate network provisioning processes.
- Setup Python development guidelines within the organisation.
- Documented the developer journey to get setup within the organisation.

Xeco Labs (xecolabs.com)

Amsterdam, The Netherlands

CO-FOUNDER, SOFTWARE ENGINEER

Nov. 2017 - Jul 2022

- Defined the scope and architecture of various client project.
- Hired and Managed external developers to help with client projects.
- Managed the development team and ensure timely delivery of the milestones.
- Managed multiple client projects from start to finish with fixed budget and timeline.
- Developed the front-end and backend of client projects mainly in Python/Django stack.
- Created internal workflow, project templates and processes within the company.

Index People Portal

Haarlem, The Netherlands

PYTHON, DJANGO DEVELOPER

Nov. 2018 - Mar. 2021

- Conducted client interview and research to understand the domain and spec the requirements.
- Led a team of 3 to develop the product.
- Designed the architecture of a new client reporting dashboard and admin dashboard.
- Developed large parts of the admin and client portal of the new portal in Python/Django.
- Implemented and executed the migration of customer data from old LAMP stack to the newly built system.
- Developed a bi-directional connection between Salesforce and the portal.
- Automated a large number of processes within the organisation to free up human resources.

Coinograph (coinograph.io)

Amsterdam, The Netherlands

CREATOR

Nov. 2017 - 2022

- Developed a uniform crypto API across several crypto exchanges using Python Django, InfluxDB.
- Generated a revenue of \$30K.
- Created a distributed data collection service to avoid rate limits from the exchanges.
- Processed and stored billions of real-time market data points in InfluxDB.
- Automated the provisioning and deployment of services using Ansible.
- Set up CI/CD using Jenkins.

OAKK Capital Partners ABN AMRO API Integration

Rotterdam, The Netherlands

PYTHON, DJANGO DEVELOPER

Nov. 2021 - Jan. 2022

- Developed ABN AMRO client library to fetch bank transactions.
- Integrated ABN AMRO into the back office dashboard.

RaboBank Value Chain Viewer

Utrecht, The Netherlands

PYTHON, FASTAPI DEVELOPER

Apr. 2021 - Oct. 2021

- Developed Backed API for Value Chain Viewer project using FastAPI.
- Setup proper dev environment for more efficient development due to high level access control across the bank.

Hack Your Future

Amsterdam, The Netherlands

MENTOR AND REACT TEACHER

Sep. 2017 - Dec. 2019

- Teacher and mentor helping refugees learn programming and develop their career.

Jump.Work

Amsterdam, The Netherlands

CTO

Feb. 2016 - Jul. 2017

- Developed entire product stack using Python/Django, Postgresql, Heroku, Redis (Backend) and React/Redux and Nodejs (Frontend).
- Hired and managed a small team of engineers.
- Trained freshly graduated developers.
- Developed a distributed web scraper to collect public data and avoid API rate limits.
- Implemented a framework to run a set of psychometric tests to assess candidates on Jump.Work platform.
- Worked closely with the business/design team to translate the work into actionable sprints.
- Worked closely with external stakeholders on technical challenges and finding solutions.

Ginger Payments

Amsterdam, The Netherlands

FREELANCE SOFTWARE ENGINEER

Jul. 2015 - Jan. 2016

- Developed the credit card payment section of Kassa Compleet
- Developed the Equens workflows for handling direct debit process.
- Refactored the backend improved the code quality and efficiency of the backend API.
- Coordinated with external auditors to ensure compliance.
- Hired several new software developers to join the team.

Telegraaf Media Groep

Amsterdam, The Netherlands

SOFTWARE ENGINEER

Aug. 2013 - Jun. 2015

- Redesign and implemented the Telegraaf Android app.
- Developed parts of the backend for the Telegraaf and the Telesport Android apps.
- Developed, optimised and scaled Oranjepoul website for 2014 World Cup predictions.
- Hired several engineers from different countries to join the Telegraaf Media Groep.

West Consulting B.V.

Delft, The Netherlands

SOFTWARE ENGINEER

Jul. 2012 - Jul. 2013

- Developed the reporting and visualisation parts of Rijkswaterstaat Interaction Monitor to get reports on highway activities.
- Developed the bidding part of the Bridge game for the uBid Android app.

Vembler

Amsterdam, The Netherlands

PYTHON, DJANGO

Sep. 2012 - May. 2014

- Designed and developed Vembler, an application to help startups reach product market fit.

Beonten, Inc.

Amsterdam, The Netherlands &

Boston, USA

SOFTWARE ENGINEER

Sep. 2011 - Jan. 2012

- Remote contribution to Barter development, a knowledge sharing system.

Education

Delft University of Technology

Delft, The Netherlands

M.Sc. IN COMPUTER SCIENCE

2009 - 2012

- Specialisation in Networks and Distributed Systems
- Thesis: Inferring Private Attributes in Online Social Networks

Skills

Programming Languages	Python, Javascript, Java, HTML, CSS, Typescript, Rust, PHP
Framework	Django, Flask, FastAPI, Airflow, Hotwire, htmx
Infrastructure	AWS, Terraform, Azure, Docker, Heroku, PostgreSQL, InfluxDB, Redis, Elasticsearch, Kubernetes
Languages	Persian (Farsi), English, Dutch
Crypto	Bitcoin, Lightning and Ethereum fundamentals, Solidity, DeFi, Clarity

Extracurricular Activity

Delft International Student Society (DISS)

Delft, Netherlands

BOARD MEMBER

2010 - 2011

- Organising student excursions and visits.
- Managing the website and IT of the organisation.

Amirkabir University of Technology

Tehran, Iran

LINUX TEACHER

2008 - 2009

- Teaching linux voluntarily to B.Sc. and M.Sc. students.