Dr. Vanda Farsad

Backend Developer

Hey! With my expertise in Python, solid frontend development experience, and a versatile understanding of DevOps, I'm excited to contribute to the design, development, and optimization of your web applications. Combining strong backend skills with hands-on knowledge of modern frontend frameworks and tools, I bring a holistic approach to building seamless user experiences. With a keen eye for detail and a commitment to delivering high-quality, maintainable, and testable solutions, I aim to craft code that truly adds value.

Let's collaborate to create innovative and efficient solutions that align with your organization's goals.
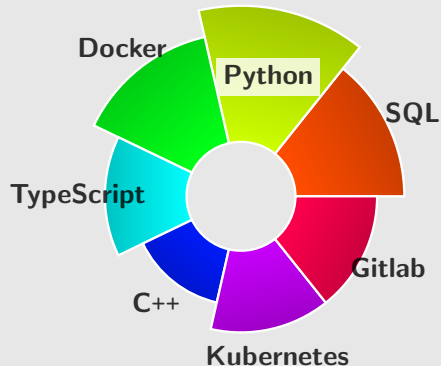
Contact

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Links

- Home Page
- LinkedIn
- Github

Stack

Docker, Python, SQL, Gitlab, Kubernetes, C++, TypeScript

Frameworks

Django	● ● ● ● ●
Next.js	● ● ● ● ○
React	● ● ● ○ ○
Flask	● ● ● ○ ○

Languages

German	● ● ● ● ●
English	● ● ● ● ○
Persian	● ● ● ○ ○

Working Experience

since 2020 **Freelance Backend Developer** Orendt Studios

Development, testing and maintenance of Django-based web applications, CI/CD pipelines and frontend frameworks. Managed the full lifecycle of development projects, from strategic planning to successful implementation and taking responsibility for timelines.

Backend Technologies: Python (Django, Flask)
Frontend Technologies: Typescript (Next.js, React)
CI/CD Tools: Docker, Kubernetes, Gitlab

2019 – 2019 **Senior Consultant Biostatistics** Ecker+Ecker

In addition, project management.

2017 – 2019 **Consultant Biostatistics** Ecker+Ecker

Developed Python software for various applications, conducted data analysis using Python and R, evaluated clinical trials, provided statistical guidance to customers and team members, and delivered statistics training.

2008 – 2010 **Research assistant** Fraunhofer-Institute LBF

Executed method implementations using Matlab/Simulink and conducted numerical simulations for comprehensive analysis.

Education

2014 – 2017 **Ph.D • Mathematics (**cum laude) Universität Hamburg

Thesis: *The symplectic fermion ribbon quasi-Hopf algebra and the $SL(2,\mathbb{Z})$-action on its centre.* [1] [2]

2009 – 2013 **Master of Science • Mathematics (**$\varnothing\, 1,5$**)** TU Darmstadt

Focus: Geometry, Nuclear Physics and Operator Algebra

2005 – 209 **Diploma • Appl. Mathematics (**$\varnothing\, 1,3$**)** Hochschule Darmstadt

Focus: Numerical Mathematics and Computer Science (C++)

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[1] Journal of Algebra. 522. 10.1016/j.jalgebra.2018.12.012, 2017.
[2] Advances in Mathematics. 400. 10.1016/j.ajm.2022.108247, 2022.