Arya Vaziri

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## PROFILE

I'm a former industrial engineer who has experience in manufacturing and electrical automation, especially in the textile industries. While working in this field, I became increasingly interested in the role that technology plays in driving process improvement and efficiency. This led me to pursue self-studying software development, where I gained hands-on experience with programming languages like JavaScript, Python, and C#, as well as popular development tools like Git and Docker.

My experience as an industrial engineer has given me a unique perspective on the challenges facing businesses today, and my development skills allow me to create effective solutions that leverage technology to streamline processes and optimize outcomes. I am eager to continue developing my skills and contributing to the development community.

## EDUCATION

Master of Art in Digital Design                                                                                                   June 2023
*Amsterdam University of Applied Science, Amsterdam, Netherlands*

Bachelor of Science in Textile Engineering                                                                             January 2014
*Isfahan University of Technology, Isfahan, Iran*

## SKILLS

- Development
  - HTML/CSS/JS
  - React/React Native/Redux
  - Unity (C#) + VR
  - Raspberry Pi
  - Python + Django
  - Git
  - Docker
  - MySQL/PostgreSQL
  - Node.JS/Express.JS

- Industrial
  - AutoCAD
  - 3D Modelling (Solidworks)
  - PLC programming
  - CNC milling
  - Molding
  - TIG Welding

## WORK EXPERIENCE

Founder/Owner at Arya Machinery                                                                       October 2019 – May 2021

I established a startup foundation in response to the overwhelming demand for these machines in my country, coupled with a scarcity of domestic products. Within a span of 18 months, we achieved remarkable success by successfully constructing three of these machines.

- Design energy-saving high-temperature fabric dyeing machines, including full automated system using pneumatic valves and PLC controller.
- Responsible for designing UI/UX design and digital architecture of the system.
- Scrum master responsible for a team of 4 including TIG welders and engineers.
- Organize out-sourced activities such as laser cut, casting and rolling.
- Deploy full-automatic PLC controlled system with Pneumatic Valves and Variable Frequency Drives

Co-Founder and Chief Product Designer at Arooz Valve                                        April 2019 – August 2022

- Design, produce, and assemble pneumatic angled seat valves.
- 3D modeling using Solidworks.

Automation Engineer at Alvan Naghsh Pood                                                 January 2014 – August 2018

- Automate all product line machines, containing dyeing section and finishing section.
- Build first high-temperature fabric dyeing machine in the country.
- Overhaul product line, fixing and repairing broken parts, as well as building new parts.

- Experience in sheet metal work such as 2D and 3D designing, cutting, grinding, rolling, bending, and different kinds of welding, including TIG welding process.
- Assemble a 1988 Stork printing machine, fully repaired, overhauled, installed, and PLC-controlled automated.

PLC Programmer and Developer at Mehrsan Machinery                          February 2010 – April 2021
- programmed PLCs and helped to improve proficiency, including textile finishing machines such as dryer, balloon squeezer, tube fabric thermofix and compactor.
- Overhauled the factory and upgraded industrial modern systems.