Bedir Avşar

Software Engineer Candidate | Mechanical Engineer

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Languages

- **English** - Professional
- **Turkish** - Native

Skills

- **Programming Languages:** C, Python
- **Development:** Django, n8n, SQL
- **Computer Science:** Data Structures, Algorithms, Memory Management, Valgrind
- **Engineering:** Problem Solving, System Design, SolidWorks
- **Soft Skills:** Remote Team Management, Analytical Thinking, Adaptability

Experience

Freelance Project Team Leader - Hochform GmbH

(09/2025 – 10/2025) - Remote, Germany

- Developed workflow automations using n8n and wrote Python scripts to optimize data processing tasks.
- Coordinated task distribution and delivery plans for international projects, managing a remote team.
- Acted as a technical bridge between management and the operational team.
- Researched sensor integration and control systems using Raspberry Pi for mechatronics prototypes.

Quality and Audit Assistant - Hochform GmbH

(08/2025 – 09/2025) - Remote, Germany

- Supported auditing and quality processes for ISO 9001, ISO 14001, and ISO 45001 standards.
- Conducted customer satisfaction surveys and contributed to process reporting with data analysis.

Warehouse Worker - Civil Mağazacılık A.Ş.

(12/2024 – 03/2025) - Istanbul, Türkiye

- Ensured the acceptance, counting, and organized placement of products arriving at the warehouse.

- Performed stock tracking to check for missing or defective products and supported shipping processes.
- Contributed to the efficiency of operational processes through teamwork.

Salesperson - Civil Mağazacılık A.Ş.

(10/2024 – 11/2024) - Istanbul, Türkiye

- Completed ~70 hours of training in HR, accounting, and technical fields at Civil Academy.
- Ensured 100% customer satisfaction in sales and assisted with cash register operations.

Selected Academic & Industrial Projects

- **Workflow Automation System (Hochform GmbH):** Designed scalable automations using Python and n8n to streamline project management workflows.
- **Mechatronics Sensor Integration:** Developed prototypes focusing on sensor integration and control systems using Raspberry Pi.
- **CS50 Computer Science Portfolio:** Completed rigorous projects in C (memory management, pointers) and Python (web frameworks), focusing on writing clean, efficient code.

Education

Harvard Online

CS50: Introduction to Computer Science (10/2025)

- Focus: C, Python, SQL, Algorithms, Data Structures, Web Development.

Sakarya University

BSc Mechanical Engineering (2018 – 2025)