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Education

Bachelor Degree in Computer Science (Double Degree)

Hof University of Applied Sciences, Germany | Expected: March 2025

Suleyman Demirel University, Kazakhstan | 2020–2023 (state scholarship)

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- **Field of Interest:** Machine Learning, Web Development, Artificial Intelligence, Software Engineering.

Work Experience

Freelance Web Developer

Self-Employed | Remote | Jan 2025 – Present

- Developing two e-commerce websites for a Kazakh electronics company and its coffee subsidiary.
- Implementing Flask for backend, React (Vite) with Tailwind CSS for frontend, SQLite for database, and hosting on AWS.
- Ensuring scalability through Dockerized deployments and providing ongoing maintenance for monthly operational support.

Student Assistant (Research Group: Visual Analytics)

Hof University of Applied Sciences, Germany | Oct 2024 – Jan 2025

- Built a full-stack application with a simplified spatial hypertext system for demonstrative and testing purposes.
- Integrated a chat interface using Flask, Python, and Neo4j to extract named entities and relationships for knowledge management.
- Developed technical documentation and presented the project to the research team, leading to its inclusion in a larger funded initiative.

[Link to the report](#)

Full-time Intern (Research Group: Visual Analytics)

Hof University of Applied Sciences, Germany | Mar 2024 – Jun 2024

- Designed and implemented a chatbot system integrating NLP features like Named Entity Recognition and Relationship Extraction.
- Stored extracted relationships in Neo4j for dynamic updates in spatial hypertext environments.
- Received recognition from supervisors for innovative integration and practical utility.

IT Specialist

Regnum TOO, Kazakhstan | Jun 2022 – Nov 2022

- Managed website operations and optimized online product representation for better marketing impact.

- Entered and updated product listings in online shops, ensuring accuracy and consistency.
- Contributed to the company's online marketing strategy, enhancing product visibility.

Technical Skills

- **Programming Languages:** Python, JavaScript, HTML, CSS.
- **Frameworks & Tools:** Flask, React (Vite), Tailwind CSS, LangChain.
- **Databases:** SQLite, MongoDB, Neo4j.
- **DevOps:** Docker, AWS, Oracle APEX.
- **Other:** Git, APIs, NLP (Named Entity Recognition, Relationship Extraction).

Soft Skills

- **Problem-Solving:** Skilled in analyzing and resolving complex challenges.
- **Collaboration:** Strong team player with effective communication abilities.
- **Precision:** Focused on creating scalable and maintainable solutions.
- **Adaptability:** Quick learner with the ability to adapt to new technologies and environments.
- **Innovation:** Proactive in identifying opportunities to improve processes and systems

Languages

- Turkish (Native)
- English (Fluent)
- Kazakh (Advanced)
- Russian (Intermediate)
- German (A2 – Elementary)

Key Projects

Erasmus Funded Project: i2p2 | 2022

- Collaborated with a team of 10 (5 Kazakh and 5 German students) to develop a mobile app integrating machine learning technologies such as facial and voice recognition.
- Contributed to backend and integration tasks, delivering a fully functional app that facilitated user authentication and voice navigation.
- Presented the project in Germany, earning accolades and inspiring further academic pursuits.

Finance Management App (*In progress*)

- Developing a dynamic personal finance management system featuring modules for balance, earnings, spendings, investments, and goals.
- Implemented real-time analytics using currency APIs for multi-currency support and crypto tracking.

Web Face ID Authentication App (*Continuous development*)

- Created a third-factor authentication system for web applications using facial recognition technology.
- Enhancing accuracy and implementing liveness detection to differentiate real faces from images.

References

Available upon request.