Boran Ozel

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SUMMARY:

• Recent graduate Full-Stack Software Engineer with over 2 years of professional experience in backend and frontend development, object detection, and custom software solutions.
• Proficient in C++, Python, C#, JavaScript, HTML, CSS, and PHP, with expertise in developing Windows Applications, databases, and security systems.
• Skilled in designing complex systems using OpenCV, YOLO, neural networks, and AI, with practical experience in hardware emulation, electrical circuits, and embedded systems.
• Strong knowledge of SQL, UI design, Linux, Flask, RESTful APIs, and hardware boards like Arduino and ESP32.
• Solid foundation in computer engineering, including operating systems, digital design, and machine learning

TECHNICAL SKILLS:

Languages	C++, Python, C#, JavaScript, PHP, HTML/CSS
Java/J2EE Technologies	AI, Neural Networks, LSTM, Object Detection, PID Control, Data Scraping
Frameworks	Flask, YOLO, OpenCV, TensorFlow, PyTorch, Keras, NumPy, Matplotlib, Tesseract, BeautifulSoup
Design & GUI Tools	Eclipse 4.7/4.8/4.24+, Maven 3.x/4.x
App servers	Apache Tomcat 8.x/9.x/10.x
Databases/ Other Tech Skills	SQL, Auth Systems, Linux, Arduino, ESP32, PlatformIO, Proteus, Google Colab, UI Design

EDUCATION:

Bachelor of Computer Engineering – California State University, San Bernardino | 2024

PROFESSIONAL EXPERIENCE:

Inswitch – Python Developer   May 2022 – Dec 2024
Roles and Responsibilities:

• Designed and deployed machine learning models (LSTM, XGBoost) for sales forecasting.
• Built a Python-based web application using Django for real-time inventory tracking.
• Integrated OpenCV and YOLO for barcode scanning and automated stock tracking.
• Developed APIs to connect with e-commerce platforms (Shopify, Magento, WooCommerce).
• Implemented automated alerts and reports using Python and Power BI.
• Optimized database performance through improved SQL queries and indexing.

Silicon Valley Bank - Python Developer   Aug 2021 – Apr 2022
Roles and Responsibilities:

• Designed and optimized ETL pipelines to process financial transactions, improving data accuracy by 30%.
• Developed RESTful APIs in Flask for seamless data exchange between applications and third-party services.

- Integrated Pandas, NumPy, and SQLAlchemy for enhanced data analysis and reporting.
- Implemented secure authentication with OAuth and JWT for improved data security.
- Reduced data processing time by 40% with asynchronous processing (Celery and Redis).
- Ensured compliance with financial regulations (PCI-DSS, GDPR).

PROJECTS:

E-Commerce Platform for Small Businesses

Developed a full-stack e-commerce application enabling small businesses to manage online stores efficiently. Designed and implemented dynamic features like product management, order processing, and payment integration using Spring Boot for the backend and ReactJS for the frontend. Ensured scalability by deploying the application on AWS with optimized database operations using MySQL. Enhanced customer experience through a responsive UI and integrated RESTful APIs for seamless transactions. Collaborated in an Agile environment, ensuring timely delivery and robust performance.

Online Learning Management System

Built a comprehensive learning management system (LMS) that supports live classes, course management, and user progress tracking. Utilized Spring Boot and Hibernate to create secure and efficient backend functionalities while leveraging Angular for a dynamic user interface. Integrated features like role-based authentication, progress analytics, and notifications to enhance usability. Deployed the LMS on Azure for high availability and used Oracle DB for data persistence. Ensured code quality and reliability through rigorous testing with JUnit and Jasmine.