

Hüsniye Tanşa

Computer Engineer



CONTACT

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OBJECTIVE

As a software developer with a degree in Computer Engineering, I am always open to improvement thanks to my interest in technology and passion for learning. I adapt quickly to new systems and am competent in producing creative and practical solutions. I see research and learning new technologies as a source of motivation; I can offer effective solutions by analyzing the problems I encounter in a short time. I act with a strong sense of responsibility to quickly fix bugs, contribute to coding processes and add value to teamwork.

EDUCATION

İstanbul Üniversitesi Cerrahpaşa | 2017-2023

Bilgisayar Mühendisliği

Mustafa Kemal Anadolu Lisesi | 2013-2017

LANGUAGES

İngilizce

- Intermediate (active use and technical reading proficiency)

COMPUTER SKILLS

Programming Languages

- C, C++, PHP (OOP), Java, JavaScript (ES6+), Python, Kotlin

Web Technologies & Frameworks

- React.js, HTML5, CSS3, Bootstrap, jQuery, Ajax, RESTful APIs, CDN-based frontend integration, JSON

Backend & Server-Side

- PHP (custom MVC, service layers), Laravel (helper-based structure), Node.js (basic usage), Redis (caching & data store)

Database Technologies

- MySQL, PostgreSQL, Microsoft SQL Server, SQL (advanced queries, optimization, view management), Stored Procedures & Triggers

Tools & Platforms

- Visual Studio, VSCode, NetBeans, Git & GitHub, FileZilla, Postman, Gantt Chart tools, npm

Development & Integration Skills

- Frontend-backend integration (React with both legacy and actively maintained PHP-based systems)
- Iterative development with customer-driven feedback loops
- API consumption & custom helper modules in Laravel
- Data parsing & transformation (multi-format: CSV, Excel, EDI, VDA, PDF)
- Modular dashboard development with full-stack (frontend-backend) implementation and process tracking
- OOP transformation of legacy code refactoring
- Cross-platform deployment (Windows/Linux environments)
- End-to-end software module development (requirements analysis, database modeling, backend/frontend implementation, deployment)
- Project planning & milestone tracking with Gantt charts

PROFESSIONAL EXPERIENCE

Full Stack Developer Middle | 07/2022 – Present

MAP Data Services

- **PDF Processing and Data Cleaning:** I developed systems that parse PDF files containing order data using Python and PHP.
- **Video Transfer and API Integration:** I enabled API-based automatic data transfer between video servers.
- **Label Production:** I set up a barcoded label infrastructure using TCPDF and lightweight libraries; I integrated RabbitMQ for performance.
- **Dashboard Development and Optimization:** Redis-based caching system.
- **Multi-Tier Environment Management:** Managed the setup of "dev", "qa", 'demo', and "live" environments and CI/CD processes.
- **Module Development and Refactoring:** Developed class-based modules, converted legacy code to OOP.
- **Reporting and Error Management:** Set up automatic log reporting and error management systems for Linux services.
- **Format Conversion Systems:** Developed XML, EDI, VDA data conversion modules; transferred outputs via FTP/BizLink/SFTP.
- **SEO and URL Management:** Configured SEO-friendly URLs with .htaccess; integrated Google Tag Manager and Facebook Pixel.
- **PHP Version Compatibility and Code Quality:** Performed compatibility tests and refactoring during PHP version migrations; applied clean code and design patterns.
- **Error Management and Testing Processes:** Prioritized production errors and developed quick solutions; established test scenarios and control mechanisms.
- **Technical Documentation and Release Process:** Prepared API documentation, data models, and release reports.
- **Project Communication and Management:** Managed project risks, progress, and workflows by organizing regular meetings between the Product Owner and the software team.
- **C++ Development:** Performed C++ development on the Chep-XML-EdiFact-Converter project and ensured Makefile integration.
- **IP & Domain Configuration:** I configured IP and domain routing to secure server access.
- **Process Tracking:** I identified project requirements by managing customer requests, planned workflows, and coordinated with stakeholders.
- **API Integration:** An independent service developed using the Laravel framework; supported by secure data exchange via API endpoints, exception handling, and cron-based scheduling mechanisms.
- **SRM (Supplier Relationship Management) Module:** A comprehensive supplier relationship management system developed with a MySQL data model and OOP-based PHP backend, supporting 8D quality management, KPI metrics, and validation workflows.
- **Supplier Performance Evaluation Module:** A supplier performance management system based on React.js + PHP + MySQL, featuring KPI calculation algorithms and dynamic dashboard screens.
- **8D Quality Management Module:** A module integrated with PHP/MVC architecture and a MySQL-based data model, enabling the automation of quality processes and iterative improvements.
- **LLS Module:** A module developed for process planning and reporting, designed with a database schema and service layer on PHP and MySQL.
- **Warranty Return Module:** A system developed using React.js-based UI and PHP backend, enabling end-to-end tracking and reporting of return and warranty processes.

Full Stack Developer Juniour | 12/2021 – 06/2022

DigitalTrade

- We developed a live e-commerce site with Laravel, PHP, AJAX, HTML, CSS, Bootstrap and MySQL technologies.
- A special payment system that provides secure and fast transactions and an admin panel offering product/order/user management were designed.
- We integrated the pass panel where users can view ticket status and barcode information.
- A blog module was added to provide system updates and interaction.
- By strengthening the technical infrastructure of the project, we contributed to providing a stable and user-friendly experience.

Web Development Intern | 08/2021 – 09/2021

TGS Electronic

- We developed an e-commerce platform for the sale of vehicle parts such as batteries, wheels and tires.
- We used HTML, Bootstrap, JavaScript and AJAX technologies on the frontend.
- We preferred PHP programming language and MSSQL database system in backend development.
- The project aimed to provide an interactive and technically powerful e-commerce experience with a user-friendly interface.

Cybersecurity Intern | 07/2021 – 08/2021

ISTEC Center (Istanbul Security Training and Education Center)

- Active attacks were carried out with exploits targeting SCADA systems against honeypots installed on Google Cloud.
- Attack traffic and packets from Ubuntu-based systems were analyzed.
- Effective IDS (Intrusion Detection System) rules were developed against these attacks.
- The rules were published on ISTEC's GitHub account with detailed reports.

İÜC IEEE CS-Web Team, 10/2020 – 11/2021

İÜC IEEE Student Branch – CS/Web Team

As part of the university club, we developed a dictionary platform similar to Ekşi Sözlük and Urban Dictionary. We designed a structure where users can enter content, comment, follow other users and receive notifications.

In the project, we worked with CodeIgniter (CI) framework in Visual Studio Code environment.

We used HTML, CSS, Bootstrap and JavaScript for the frontend and CodeIgniter's MVC structure for the backend. We also developed on Ajax integration and a common MySQL database.