

ERDAL OZKAYA

www.linkedin.com/in/erdal-ozkaya

Richmond Hill, ON

+1 (416) 553-6399

erdalozkaya71@hotmail.com

OBJECTIVE:

A disciplined and detail-oriented software developer with strong organizational skills in any environment. Ready to help the team achieve company goals. Open-minded and curious about learning new techniques and technologies.

HIGHLIGHTS OF QUALIFICATIONS:

- Experienced **Software Developer** with deep expertise in **Java, JavaScript, Python, and C#**, excelling in full-stack development environments including **MongoDB, React, Node.js**, and **Express.js**.
- Demonstrated mastery in crafting responsive web applications, leveraging **HTML, CSS, and JavaScript**, underscored by professional certifications in modern web development practices.
- Proficient in sophisticated data analysis and manipulation techniques using NumPy and Pandas, with a strong command over **MySQL** and Oracle SQL for comprehensive database management.
- Highly skilled in utilizing a suite of development tools and IDEs such as Visual Studio, IntelliJ, **PyCharm**, VS Code, and WebStorm to enhance productivity and streamline software development workflows.
- Agile methodology advocate, driving project management excellence and fostering a collaborative and efficient team dynamic to meet and exceed project goals.
- Adaptable and solution-oriented, with a proven track record of tackling complex problems through innovative thinking and a pragmatic approach to technological challenges.
- Exceptional communication skills, adept at navigating diverse team environments and ensuring clear and effective collaboration across all levels of project stakeholders.
- Strong organizational prowess and leadership capabilities, demonstrated through effective project oversight and a commitment to achieving high-quality outcomes within tight deadlines.
- Deep understanding of responsive design principles, with the ability to develop web pages that flawlessly adjust across various devices, enhancing user experience and interface adaptability.

TECHNICAL SKILLS

- **Programming Languages & Frameworks:** Proficient in Java, JavaScript, Python, C#; experienced with ASP.Net Core MVC, PHP for backend development.
- **Web Development & Design:** Expertise in HTML, CSS for front-end design, Node.js, React for full-stack web applications, and responsive design techniques.
- **Database Management & Design:** Skilled in MySQL, Oracle SQL for relational database management, data modeling, and optimization.
- **Data Analysis Tools:** Advanced use of NumPy, Pandas for data analysis, statistical modeling, and data visualization.
- **Development Tools & Environments:** Proficient with Visual Studio, IntelliJ, PyCharm, VS Code, WebStorm for coding, debugging, and version control.
- **Software Development Practices:** Deep understanding of Agile Framework for project management, fostering teamwork and efficient project delivery.
- **Cloud Technologies & Deployment:** **Knowledgeable** in deploying applications using cloud services, understanding of basic cloud infrastructure principles.

- **Containerization & Virtualization:** Familiarity with concepts of containerization and virtualization, enhancing application scalability and deployment efficiency.

PROFESSIONAL EXPERIENCE

Software Developer, Deop Inc, Toronto, ON

Oct 2023 – Present

Project 1: Unified Communication Platform

Description: Led the development of an innovative communication platform designed to streamline internal collaboration and enhance productivity within organizations. This project involved creating a highly interactive, real-time messaging system capable of supporting various communication formats, including text, video, and file sharing.

- Engineered responsive UI components with React, focusing on user engagement and accessibility standards.
- Architected RESTful API services using Node.js to facilitate data exchange and application logic.
- Integrated WebSocket for enabling real-time messaging and notifications, improving communication efficiency.
- Designed and implemented MongoDB schemas for storing user profiles, messages, and communication preferences.
- Conducted thorough unit and integration testing to ensure reliability and performance of the platform.
- Collaborated with UX/UI designers to refine application interfaces based on user feedback and usability testing.
- Optimized application for scalability and performance, utilizing best practices in code and database optimization.
- Developed comprehensive documentation for API usage and platform architecture to support future development efforts.
- Implemented security measures, including authentication and authorization protocols, to protect user data and privacy.
- Deployed the application to cloud environments, ensuring high availability and disaster recovery capabilities.

Project 2: Smart Inventory Management System

Description: Spearheaded the creation of a cutting-edge inventory management system aimed at optimizing stock levels and reducing waste for retail businesses. This solution utilized advanced data analytics and machine learning to forecast demand, automate reorder processes, and provide actionable insights through a user-friendly dashboard.

- Developed Python scripts for data processing, including inventory levels, sales forecasts, and reorder points.
- Integrated machine learning models for predictive analytics, enhancing inventory accuracy and reducing overstock.
- Built a dynamic dashboard with HTML, CSS, and JavaScript, offering real-time visibility into inventory metrics.
- Implemented custom alerting mechanisms to notify stakeholders of critical inventory levels or replenishment needs.
- Designed RESTful APIs for interfacing with the inventory management system from third-party applications and services.
- Performed rigorous stress testing to evaluate system performance under peak load conditions, ensuring

stability.

- Established version control protocols using Git, promoting collaborative development and code management.
- Participated in Agile development cycles, including sprint planning, daily standups, and retrospective meetings, to continuously improve the development process and product quality.
- Engaged in ongoing technology research to stay abreast of industry trends and incorporate emerging tools and practices into the development process.

Internship Software Developer, Deop Inc, Toronto, ON

Sept 2022 – Oct 2023

- Assisted in the development of API endpoints using Node.js, improving backend functionality and data retrieval processes.
- Contributed to front-end development tasks, enhancing application UI/UX with modern JavaScript frameworks.
- Supported database management tasks, including schema design, query optimization, and data migration activities.
- Participated in code review sessions, providing constructive feedback to improve code quality and maintainability.
- Engaged in automated testing efforts, writing unit and integration tests to ensure application reliability.
- Assisted in the deployment of applications to cloud platforms, gaining experience in cloud-based infrastructure and services.
- Conducted research on new technologies and tools, presenting findings to the development team to foster innovation.
- Collaborated closely with cross-functional teams, including product managers and designers, to align development efforts with business objectives and user needs.
- Contributed to the creation of technical documentation, aiding in the onboarding of new team members and providing a reference for future development activities.

Physics Teacher and Principal

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|---|--------------------------|
| • Star College, Cape Town, South Africa | <i>01/2015 - 09/2019</i> |
| • Star College, Durban, South Africa | <i>03/2011 - 12/2014</i> |
| • Tashkent Ulugbek International School, Tashkent, Uzbekistan | <i>09/1999 - 12/2010</i> |
| • Tashkent Boy's High School, Tashkent, Uzbekistan | <i>09/1997 - 09/1999</i> |
| • Djizak Boy's High School, Djizak, Uzbekistan | <i>11/1994 - 09/1997</i> |

EDUCATION

- **Computer Programming And Analysis**
George Brown College – Toronto, ON
- **Bachelor of Science in Physics**
Orta Dogu Teknik Universitesi (Middle East Technical University) – Ankara, Turkey

TRAINING & CERTIFICATIONS

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|--|-------------|
| • Build Responsive Real-World Websites with HTML and CSS | <i>2022</i> |
| • The Complete JavaScript Course 2022: From Zero to Expert | <i>2022</i> |