

Wendy Zheng

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Product-focused full-stack engineer with 3+ years of experience building and owning production systems across backend, frontend, and infrastructure. Experienced in designing core platform features including access control, scheduling, real-time data, and performance-critical workflows used in day-to-day operations.

WORK EXPERIENCE

OakPM New York, NY
Fullstack Engineer Sept 2024 - Sept 2025

- Owned performance optimization for high-volume scheduling workflows, analyzing SQL Server execution plans, indexing strategies, and query refactors to reduce query latency by ~30% in production environments.
- Architected and owned a role-based access control (RBAC) system from scratch, designing permission models and association tables to support multiple user roles across projects while preserving data integrity, security boundaries, and long-term extensibility.
- Led the end-to-end development of a Gantt chart baseline scheduling feature, enabling users to snapshot, compare, and analyze schedule changes over time.
- Refactored Razor partials into reusable view components to reduce duplication by ~67% and accelerate iteration across scheduling-related features.

AcquireROI New York, NY
Fullstack Engineer April 2023 - May 2024

- Owned the design and implementation of a dynamic dashboard filtering system using React and FusionCharts, improving data load efficiency and contributing to a 25% increase in user engagement.
- Implemented EC2-based infrastructure changes as part of an AWS migration, improving scalability and high availability and reducing application load times by 82%.
- Engineered a centralized statistical processing engine backed by optimized MySQL queries to unify multiple data sources, improving data consistency and simplifying downstream analytics.
- Designed and implemented a scalable integration architecture for ingesting publisher ATS data via SFTP and APIs, significantly reducing setup time for new integrations and improving onboarding reliability.

Odin's Eye New York, NY
Fullstack Engineer Dec 2021 - Jul 2022

- Implemented server-sent events (SSE) in Node.js to deliver real-time frontend updates for Kubernetes cluster health monitoring dashboards, improving visibility into system state.
- Improved frontend performance by ~35% through image optimization and CDN integration, leading to better SEO rankings and increased user retention.
- Developed responsive, accessible UI components using HTML5 and CSS3, increasing user retention by ~40%.
- Applied test-driven development practices using Jest and Supertest to build reliable unit and integration test coverage for Express middleware and authentication flows.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, C#, Java, SQL, HTML, CSS
Frameworks & Libraries: ASP.NET Core, Node.js, React, Spring, GraphQL, Redux
Databases: SQL Server, MySQL, PostgreSQL, MongoDB, Redis
Tools & Platforms: AWS, Docker, Kubernetes, Entity Framework, Twilio, SSMS

EDUCATION

CUNY Queens College Flushing, NY
Bachelor of Arts in Economics Sep 2019 - May 2021
Relevant Coursework: Data Structures, Algorithms, Object-Oriented Programming (C++/Java), Discrete Mathematics