Batuhan Aydın

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PROFESSIONAL EXPERIENCE

Software Engineer 12/2019 – present
Broadage Sports Istanbul, Turkey
- Implemented event-driven architecture using .NET and C# with RabbitMQ for efficient event handling and Redis for reliable distributed locking. Replacing a resource-intensive monolithic app that continuously polled the database, this solution significantly improved end-of-match statistics calculation and being used for over 100k matches every year.
- Regularly optimized SQL queries using query tuning techniques, resulting in reduced I/O operations, faster response times and improved scalability for the services.
- Addressed challenges posed by cache miss counts and high p99 latency by strategizing and implementing cache warming techniques, resulting in a 60% reduction in cache misses and a notable 20% decrease in p99 latency.
- Mentored newly hired junior software engineers, providing guidance and support to facilitate their onboarding and professional development.

Software Engineer Intern 03/2019 – 09/2019
Alternet Yazılım Denizli, Turkey
- Developed a collaboration platform for internal use, leveraging Flask on the backend and Vue.js on the frontend, to enable employees to share information and collaborate more effectively, thereby enhancing communication and productivity across the organization.
- Participated in regular team meetings and contributed ideas for process improvement, resulting in the adoption of agile methodologies and increased project efficiency.
- To replace previous manual deployment process, developed a PowerShell automation script that streamlined the deployment process, reduced deployment time, and increased overall productivity.

Software Engineer Intern 06/2018 – 02/2019
NetAdım Denizli, Turkey
- Designed and implemented a new authentication system for smart school board control system which enhanced security, improved user access management and streamlined system functionality.
- Gained experience in teamwork and communication skills by collaborating with developers and stakeholders to define requirements and design an intuitive, user-friendly interface for monitoring application.

EDUCATION

BS in Computer Engineering 2015 – 2019
Pamukkale University Denizli, Turkey

SKILLS

Languages: C#, F#, Rust, Java, SQL, Javascript, HTML, CSS
Frameworks: .NET, Microsoft Orleans, VueJs
Tools: Git, Powershell, Azure, Docker, Redis, Kafka, RabbitMQ, SignalR, PostgreSQL, MSSQL, ElasticSearch, Prometheous, Grafana

PROJECTS

ValueVest 🔗
Stock market tracking and analysis system that combines C# functionality with F# domain, integrating SQLite and Redis, delivers analytical insights based on company financials.

rusty-structures 🔗
A collection of different experimental data structures and algorithms for Rust with the goal of providing efficient, stable and tested structures.