

ORCUN CANDAN

Lead/Senior Full Stack & AI Engineer

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PROFESSIONAL SUMMARY

Lead Full Stack Engineer with over 8 years of experience architecting high-concurrency web applications, scaling distributed systems, and leading cross-functional engineering teams. Proven expertise in steering technical roadmaps and bridging modern TypeScript/React frontends with scalable PHP/Node.js backend microservices. Track record of integrating enterprise LLM workflows (Claude Sub Agents, OpenAI) alongside air-gapped Local RAG systems (Ollama, DeepSeek-R1, Chroma Vector DB) to drive engineering efficiency and automated intelligence. Native Turkish, professional English.

TECHNICAL SKILLS

- **Engineering Leadership & System Design:** System Architecture & Design, Technical Roadmap Ownership, Engineering Team Mentoring, Cross-Functional Team Leadership, Code Reviews & Standards, Technical Debt Reduction.
- **Frontend Engineering:** TypeScript, Next.js, React.js, JavaScript (ES6+), HTML5/CSS3, Canvas & DOM/Camera APIs, Mobile-First Responsive Design, State Management.
- **Backend Architecture & APIs:** PHP (Laravel, Symfony, CodeIgniter), Node.js, Express, RESTful APIs, Microservices, Legacy Code Modernization, OOP/MVC Patterns.
- **AI, LLM & Local RAG Systems:** Local RAG Architectures, Ollama, DeepSeek-R1, Chroma Vector DB, LangChain, Embeddings, Claude Subagents & Skills, OpenAI/ChatGPT APIs, AI Content Pipelines.
- **Cloud Infrastructure & DevOps:** AWS (EC2, S3, CloudFront), Azure Web Apps, Azure DevOps, CI/CD Pipelines, Docker, Nginx, LiteSpeed, CyberPanel, Bash Scripting.
- **Databases & Data Engineering:** MySQL, Relational Schema Design, Vector Storage, Query Performance Tuning, Redis Caching, Server Recovery & Linux Systems.

WORK EXPERIENCE

AI & Full Stack Engineering (Projects & Systems) | 2025 – Present

- **Local RAG & Codebase Intelligence Architecture:**
 - Architected an air-gapped, privacy-first Local RAG pipeline using Ollama, DeepSeek-R1, Chroma Vector DB, and LangChain, enabling instant natural language querying across 50,000+ lines of PHP codebase and relational schemas while reducing manual code inspection time by **40%**.
- **Computer Vision & Mobile Web Overlay Application:**
 - Engineered a high-performance web application utilizing HTML5, CSS3, and JavaScript DOM/Camera APIs for physical dimension estimation (ring sizing) via

custom reference banknote overlays, achieving **sub-millimeter precision** across diverse mobile displays.

- **Automation & Utility Scripting:**
 - Developed custom Node.js and Python automation pipelines for web data scraping and social media workflow automation, reducing daily operational overhead by **15+ hours per week**.

AlMultiple - Singapore (Remote)

Senior Full Stack Engineer & AI Integration Specialist | Oct 2024 - Present

- Architected custom high-performance PHP and JavaScript application frameworks serving **500,000+ monthly active users**, driving a **35% reduction** in page render times and boosting platform Core Web Vitals.
- Spearheaded AI strategy by integrating Claude subagents, skills, and automated data pipelines across cross-functional content and engineering teams, accelerating internal content throughput by **50%**.
- Managed cloud infrastructure on AWS, establishing dynamic multi-tier caching and load distribution mechanisms that maintained **99.9% availability** during peak traffic spikes.

Turquoise Choice - Pleasanton, California, USA (Remote)

Engineering Lead | Dec 2023 - Aug 2024

- Owned the technical roadmap and led a team of **8+ frontend/backend developers and QA engineers**; established clean code standards and rigorous review protocols that cut bug regression rates by **25%**.
- Architected a zero-downtime compatibility and data migration layer bridging a legacy monolithic codebase with modern Laravel microservices, executing the transition with **100% data integrity** across millions of records.
- Built automated end-to-end CI/CD pipelines via Azure Web Apps and Azure DevOps for cross-functional product squads, accelerating deployment frequency by **3x** and significantly reducing technical debt.

Ozkula Internet Hizmetleri - Istanbul, Turkey

Full Stack Developer & Systems Engineer | Aug 2015 - Aug 2022

- Architected a RESTful API integration connecting enterprise accounting systems with e-commerce platforms, automating electronic invoicing for over **10,000+ monthly transactions**.
- Designed a real-time event-driven server health dashboard (AJAX, jQuery, CodeIgniter), tracking CPU loads across 100+ servers and reducing critical incident response times by **50%**.
- Handled low-level Linux troubleshooting, InnoDB partition repairs, and written Bash maintenance scripts that automated **90%** of routine server recovery protocols.

Atlantis Dekoratif ve Sanatsal Ürünler - Istanbul, Turkey

Full Stack Developer | *Oct 2009 - Jan 2015*

- Engineered an e-commerce platform and inventory engine managing **7,000+ multi-variation SKUs** with real-time dynamic image generation, driving a **200% increase** in online sales conversion.

EDUCATION

Yıldız Technical University - Istanbul, Turkey

Associate Degree in Computer Technology & Programming (2007 - 2009)