

# Teoman Kirma

Location: San Francisco Bay Area, United States

Mobile: +1 (949) 685-8056

Email: [teomankirma@gmail.com](mailto:teomankirma@gmail.com)

Website: [teomankirma.com](http://teomankirma.com)

LinkedIn: [linkedin.com/in/teomankirma](https://linkedin.com/in/teomankirma)

GitHub: [github.com/teomankirma](https://github.com/teomankirma)

## PROFESSIONAL SUMMARY

Full-Stack Software Engineer with strong frontend expertise in React and TypeScript and hands-on experience building backend systems using Python, Node.js, Redis, and PostgreSQL. Experienced in designing scalable APIs and distributed systems.

## WORK EXPERIENCE

BytesandPixels | Full-Stack Developer

May 2023 - Present | Los Angeles, CA, US (Remote)

- Created Pure/Functional/Reusable and Accessible React components using TypeScript, React 19 and Storybook.
- Developed a responsive user interface utilizing React UI libraries such as Material UI and Tailwind CSS, resulting in a 30% increase in user engagement and 40% reduction in page load times.
- Constructed a state management system with Zustand, deployed across 30+ modules; facilitated a more efficient data management process, resulting in improved team collaboration and reduced development time by 15 hours weekly.
- Collaborated on API design and backend data flows supporting frontend features, ensuring performance and data consistency.
- Worked with backend services and databases to optimize query performance and improve data-fetching strategies.
- Contributed to reliability improvements by refining error handling and asynchronous request patterns across services.
- Wrote unit tests using Jest, Istanbul for code coverage and Cypress for E2E Testing.

## PROJECTS

### Job Flow – Distributed Background Job Processing System

Python, FastAPI, Redis, PostgreSQL, Docker

- Built a distributed async job orchestration system with retry logic, idempotency handling, and dead-letter queues.
- Implemented exponential backoff scheduling using Redis sorted sets and atomic operations for safe concurrent processing.
- Designed database schemas and monitoring endpoints to improve reliability and observability.

## EDUCATION

Bachelor of Engineering, Software Engineering

Nisantasi University, 2020 - 2025

GPA: 3.37 / 4.00

## SKILLS

Languages: JavaScript, TypeScript, Python

Frontend: React, Next.js, Tailwind CSS, Zustand

Backend: Node.js, FastAPI, REST APIs, Redis, PostgreSQL, MongoDB

Cloud & Tools: AWS, Docker, Git, CI/CD, Cypress, Jest

## LANGUAGES

English (Fluent), Turkish (Native)

## U.S. WORK AUTHORIZATION

F-1 status (requires visa sponsorship)