Denis-Adrian Cristea

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EDUCATION

University of Bucharest   **Bucharest, Romania**
- Bachelor in Computer Science   Expected July 2027

OPEN SOURCE PROJECTS

Discord.js | Node.JS library for building Discord integrations
Maintainer   **May 2022 – Present**
- Reduced a substantial amount of tech debt by rewriting the WebSocket client from scratch, leading to an improvement in connection stability and recovery success rate for most users
- Implemented functionality based off of specifications written by other maintainers
- Developed applications using Discord.js to better understand users' needs, while occasionally providing technical support
- Reviewed pull requests to ensure code quality

ChatSift | Tools for moderating online communities
Lead Maintainer   **June 2021 – Present**
- Developed a microservice tech stack responsible for processing millions of daily events, structured around separation of concerns, creating interactions between services via RabbitMQ/Redis
- Built an HTTP proxy to cache results of frequent Discord requests using Redis, leading to a 40% drop in outgoing GET calls
- Designed a tiny, binary encoding format for storing certain cached objects, leading to a 20% decrease in memory usage from the previous JSON-string storage
- Worked with a dedicated frontend developer on a dashboard, providing them with a RESTful API (Fastify/Postgres/Zod) responsible for JWT-driven authentication and configuration of our services
- Fully containerized the application using Docker, integrated with a Github Actions pipeline

SKILLS

Languages: Proficient in JavaScript/TypeScript
Technologies: Node.js, Docker, PostgreSQL, Redis, RabbitMQ, Git, GitHub Actions