

Rishi Satsangi

Senior Full Stack / Backend Engineer (Node.js, Microservices, AWS)

Cincinnati / Chicago / Remote • U.S. Citizen

rishi.satsangi@gmail.com • 415.786.8815

<https://rishisatsangi.com> • <https://github.com/dethbird>

SUMMARY

Senior Full Stack / Backend Engineer with 15+ years of experience building and scaling production systems across media, SaaS, and data-driven platforms.

Specialize in backend architecture, APIs, and distributed systems, with strong frontend capabilities in React and TypeScript. Proven track record of modernizing legacy systems, designing microservices, and improving system performance, reliability, and scalability.

Experienced in event-driven architectures, asynchronous processing, and media/data pipelines. Strong ownership mindset with a bias toward shipping practical, production-ready solutions.

CORE EXPERTISE

- **Backend Systems:** Node.js, PHP (Zend, Symfony, Slim), REST/GraphQL APIs, microservices
 - **Distributed Systems:** Event-driven architecture, async workflows, queue-based processing
 - **Cloud & Infrastructure:** AWS (S3, RDS, Lambda), Docker, Kubernetes (EKS), CI/CD
 - **Data Systems:** MySQL, PostgreSQL, GraphQL, high-volume data processing
 - **Frontend:** React, TypeScript, modern JS (ES6+)
 - **Testing & Reliability:** PHPUnit, Jest, integration testing, system debugging
 - **Auth & Security:** OAuth, JWT, Auth0
-

EXPERIENCE

Mailchimp (Intuit) — Senior Software Engineer (Contract)

Dec 2025 – Present (Remote)

- Improved reliability across legacy and experimental services by increasing PHPUnit test coverage and stabilizing critical paths
 - Investigated and resolved high-priority production issues within SLA, maintaining platform stability at scale
 - Worked with gRPC services and CloudTasks to support distributed workflows and async job processing
 - Containerized PHP monolith into Docker-based services deployed on Kubernetes (EKS), improving environment parity and developer velocity
 - Evaluated and integrated AI-assisted development workflows to improve engineering efficiency
-

Independent Full-Stack Engineer

Aug 2023 – Present

Playlist — Node.js, React

<https://playlister.love>

- Built a full-stack Spotify playlist management application enabling real-time curation workflows
 - Designed API integration layer to handle third-party limitations (Spotify → Last.fm fallback strategy)
 - Achieved 95% test coverage (Jest), emphasizing reliability and maintainability
 - Designed mobile-first UX for real-time interaction during media playback
 - Open-sourced project with demo and ongoing user-driven iteration
-

Sony Music Entertainment — Senior Software Engineer

Nov 2014 – Jul 2023 (Remote / NYC)

- Designed and built microservices and event-driven systems for media processing and content delivery
 - Migrated authentication system to Auth0 (OAuth + MFA), improving onboarding by 30%
 - Developed GraphQL-based ownership and analytics systems for internal BI and access control
 - Built scalable backend services supporting podcast analytics and delivery, increasing engagement by 20%
 - Improved system throughput by 40% by transitioning to message-based architecture
 - Reduced storage costs by 20% by migrating content delivery to AWS S3
 - Optimized media processing pipelines, improving transcoder performance by 25%
 - Developed React-based tools for internal workflows and distribution systems
-

Salesforce — Senior Member Technical Staff

2013 – 2014 (SF / NYC)

- Led architecture for real-time social marketing features, including age-screening systems for brand compliance
 - Built WebSocket-based real-time notification systems using Node.js
 - Improved platform scalability and performance across high-traffic systems
-

Earlier Roles

Buddy Media (SF) — Senior Software Engineer (2012–2013)

- Improved campaign execution performance by 30% through backend optimization

Clean Power Finance (SF) — Senior Software Engineer (2011)

- Built Zend-based systems and integrated external credit APIs, improving approval rates

IODA (SF) — Senior Web Engineer (2005–2011)

- Migrated legacy PHP/Perl systems into service-based architecture
- Co-developed music promotion platform used across industry partners

NACCRRA (Washington, DC) — Web Developer/Designer (2004–2005)

- Built internal systems for accreditation, scheduling, and national web platforms
-

SYSTEMS EXPERIENCE

- Event-driven architectures and asynchronous processing systems
 - Media and data processing pipelines with high-volume IO
 - Microservices and distributed backend systems
 - API design for scalable and maintainable applications
-

PROJECTS

Fountain Writer

<https://fountain.dethbird.com>

- Open-source screenplay editor with custom parsing/rendering engine
- Extended the Fountain format into a programmable system (fountain.ext)

Streetcar Indicator

- Real-time transit tracking system using Python + React with IoT-style data integration
 - Integrated with Philips Hue devices for physical-world feedback
-

EDUCATION

The Ohio State University

BS Computer Science

INTERESTS

Illustration • Cooking • Dogs