

Rishi Satsangi

Software Engineer + Graphics & Audio

Cincinnati, OH (Remote)

U.S. Citizen

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<https://rishisatsangi.com>

SUMMARY

Full-stack engineer with 18+ years building and scaling web applications across media, marketing tech, and finance. Experienced across backend (PHP, Python, Node) and frontend (React, Redux). Comfortable modernizing legacy systems or designing new platforms end-to-end. Active in open-source, most recently releasing Playlistr, a Spotify playlist management tool built with Node and React. Strong record leading migrations, improving security, and delivering features that drive measurable business results.

TECHNOLOGY / SKILLS

- **Backend:** PHP (Zend, Slim, Symfony), Python (Flask), Node/Express, APIs, microservices
- **Frontend:** React, Redux, TypeScript, JavaScript (ES6+), Figma-to-React, Mantine, Semantic UI, Bootstrap
- **Cloud/Infra:** AWS (Lambdas, RDS, S3, Elasticsearch, Kafka), Kubernetes, Docker, Terraform, CI/CD
- **Databases:** MySQL, Postgres, GraphQL, Neo4j, SQLite
- **Testing/QA:** PHPUnit, pytest, Jest, Supertest, Chai; unit, functional, and integration testing
- **Security:** OAuth, Auth0, Passport.js, OWASP Top 10 practices
- **Collaboration:** Git, peer review, Agile/Scrum/Kanban, JIRA, Slack

EXPERIENCE

Mailchimp (Intuit), Remote (Atlanta) *Senior Software Engineer (Contract)*

NOV 2024 - PRESENT

- Increased PHPUnit coverage across legacy and experimental codebases, improving long-term reliability.
- Investigated and resolved critical bugs within SLA thresholds to maintain platform stability.
- Supported gRPC services and CloudTasks for internal orchestration and queue management.
- Containerized PHP monolith into Docker services on Kubernetes (EKS), improving local/prod parity.
- Piloting AI development tools (Cursor, Claude, OpenAI) to boost developer efficiency.

Independent Full-Stack Engineer

Aug 2023 - current

Built Playlister (Node, Express, React, Jest 95 % coverage).

<https://playlister.love>

- Built **Playlister**, a Node/React app with 95% Jest test coverage, enabling curators to edit playlists in real time.
- Designed for mobile-first use; currently in user testing. playlister.love
- Released as an **open-source project** on GitHub (github.com/dethbird/playlister), encouraging contributions and community feedback.
- Created a [demo video](#) showcasing the app's functionality.

Sony Music Entertainment, Remote (NYC) *Senior Software Engineer*

NOV 2014 - JUL 2023

- Migrated authentication from MySQL to Auth0 with OAuth + MFA; improved onboarding by 30%.
- Developed GraphQL ownership graph for BI, improving visibility and security.
- Improved podcast analytics + delivery, enabling new ad placements and boosting engagement 20%.
- Built microservices + React frontend for vinyl distribution, contributing to 25% increase in vinyl sales.
- Modernized content review system with message-based architecture; processing speeds up 40%.
- Transitioned content delivery to AWS S3, cutting storage costs 20%.

Salesforce.com, SF/NYC *Senior Member Technical Staff*

2013 - 2014

- Lead architect on Twitter age-screening tech for brands; opened new marketing channels.
- Overhauled platform infrastructure for scalability and reliability.
- Built real-time notification system with WebSockets/Node.js, boosting collaboration and engagement.
- Refactored campaign event handler from PHP to Node + TypeScript, cutting p95 latency 30%.

Earlier Roles:

- **Buddy Media, SF** – Senior Software Engineer (2012–2013): Improved campaign execution speed by 30%.
- **Clean Power Finance, SF** – Senior Software Engineer (2011): Built Zend/jQuery infra; integrated Experian credit APIs, raising approval rates 20%.
- **IODA, SF** – Senior Web Engineer (2005–2011): Migrated PHP/Perl systems to microservices; co-developed

patented Promonet music promo engine.

- NACCRRA, Washington D.C. – Web Developer/Designer (2004–2005): Digitized accreditation process; managed national websites.

EDUCATION

The Ohio State University, Columbus, OH *BS Computer Science*

1996-2001

Object-oriented programming (OOP) and OOA/D best-practices, algorithm optimization, and system architecture.

Additional:

Codecademy certifications in PHP, Node.js, Express, React, Redux, TypeScript, and Testing

PROJECTS

Playlist for Spotify

- Open-source app (github.com/dethbird/playlist) designed to simplify playlist curation in real time.
- Enables users to add or remove songs while listening, with 95% Jest test coverage.
- Mobile-first design; currently in user testing. playlister.love
- [Demo video](#) available on YouTube.

Streetcar Indicator – Python/React + Philips HUE integration for Cincinnati bar; provided real-time streetcar arrival alerts and received local press coverage.

HOBBIES

- Drawing and Illustration (examples at dethbird.com)
- Music (SuperCollider soundscapes, instruments)
- Travel
- Cooking (mostly Indian experiments)