

# CHRISTOPHER ALEXANDER

Backend-Focused Full Stack Engineer | Node.js | AWS Serverless | TypeScript | Microservices

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

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## SUMMARY

Backend-focused Full Stack Engineer with 7+ years of experience building scalable web applications using Node.js, TypeScript, React and Next.js. Experienced in designing cloud-native backend systems using AWS Serverless technologies, REST APIs and event-driven architectures. Recently built production-inspired projects showcasing AWS Lambda, API Gateway, Cognito, Docker, RabbitMQ, Redis and microservices. Passionate about designing reliable backend systems with clean architecture and modern cloud practices.

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## PROFESSIONAL EXPERIENCE

### Full Stack Engineer (Next.js / AWS)

Apr 2024 – Apr 2025

PowerWeave Software Pvt Ltd — Mumbai, India

- Developed and maintained scalable web applications using React, Next.js, Node.js and TypeScript for enterprise clients.
- Designed and implemented REST APIs and GraphQL services, enabling efficient communication between frontend and backend systems.
- Led the adoption of TypeScript, improving code maintainability, type safety and reducing runtime errors.
- Designed and optimized PostgreSQL and MongoDB database schemas to support application performance and scalability.
- Collaborated with cross-functional teams to deliver new features, review code and mentor junior developers.
- Diagnosed and resolved production issues, improving application stability, performance and user experience.

### Full Stack Engineer (Next.js / AWS / MERN)

Apr 2018 – Apr 2024

IQ Classes and Info Solutions — Lucknow, India

- Developed and maintained responsive web applications using React, Next.js, Node.js and TypeScript.
- Designed and implemented backend services and RESTful APIs to support web and mobile applications.
- Modernized legacy applications by refactoring and modularizing existing codebases, improving maintainability and performance.
- Designed and integrated MySQL and PostgreSQL databases based on business requirements.
- Managed source code using Git and collaborated within an Agile development environment.
- Deployed and maintained applications on AWS and DigitalOcean, supporting production environments and application releases.

### Independent AWS Serverless & Microservices Projects

Apr 2025 – Present

Self-directed — Lucknow, India

- Designed and built production-inspired AWS Serverless and microservices projects to deepen cloud-native backend expertise (see Projects section).

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## PROJECTS

### Contact Book — Serverless Contact Management App

Next.js • TypeScript • AWS Lambda • API Gateway • Cognito • S3 • EventBridge • SQS • MongoDB Atlas

Live: [contactbook.chrisalex.online](https://contactbook.chrisalex.online) | GitHub: [github.com/ChrisAlex30/contact-book](https://github.com/ChrisAlex30/contact-book)

- Built a production-ready serverless contact management application using AWS Serverless architecture.
- Implemented secure authentication with Amazon Cognito and JWT-protected APIs.
- Designed direct browser uploads using Amazon S3 pre-signed URLs.
- Implemented asynchronous image cleanup using EventBridge and SQS.
- Deployed frontend on AWS Amplify with a responsive Next.js UI.

## Social Media Platform — Microservices Architecture

*Node.js • Express • RabbitMQ • Redis • Docker • MongoDB • Cloudinary*

GitHub: [github.com/ChrisAlex30/social-app](https://github.com/ChrisAlex30/social-app)

- Designed a distributed microservices architecture with five independent backend services.
- Built a centralized API Gateway with JWT authentication and request routing.
- Implemented asynchronous communication using RabbitMQ.
- Added Redis-based rate limiting and caching.
- Containerized all services using Docker Compose.

## SKILLS

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**Languages:** TypeScript, JavaScript, SQL

**Backend:** Node.js, Express.js, Serverless Framework, REST APIs, JWT Authentication

**Cloud & AWS:** AWS Lambda, API Gateway, Cognito, S3, EventBridge, SQS, Amplify

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

**Databases:** MongoDB, PostgreSQL, MySQL

**Infrastructure:** Docker, Docker Compose, Redis, RabbitMQ

## EDUCATION

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Bachelor of Technology, Electronics and Communications Engineering

Uttar Pradesh Technical University — Lucknow, India | Jun 2010