

## Siddharthan Sarumathi Pandian

Staff Backend Engineer with 11+ years of experience building scalable systems, leading high-impact teams, and shipping products used by 10M+ users.

[LinkedIn](#) | [GitHub](#) | [About me](#) | [Schedule a call](#) | siddarthan@outlook.com

## Skills

Tech: PHP, Ruby, Python, JavaScript (Node.js, React), SQL, Shell, Redis, RabbitMQ, AWS, GCP

Others: Software Architecture, Distributed Systems, System Design, Engineering Leadership

## Professional Experience

### Automatic, Software Engineer (IC)

*November 2021 – April 2025*

While [Automatic](#) didn't use formal titles, I operated in a Staff Engineer capacity. The backend codebase was closed-source, but you can view my merged PRs to the [Jetpack](#) and [Calypso](#) repositories.

- Led end-to-end development of Jetpack Social, integrating 7+ platforms (Bluesky, Facebook, Instagram, etc.) and enabling **3M+ daily shares via a fault-tolerant** scheduling system.
- Modernized a 12-year-old codebase by creating the **Publicize Composer package**, **reducing duplicate code by 40%** across WordPress.com and Jetpack
- Designed and implemented a scalable encryption solution for **10M+ OAuth tokens** following a Facebook audit, eliminating token-related security risks
- Enforced strict code quality standards, **catching 90% of critical bugs** during PR reviews before they reached production
- **Led a team of 2 engineers** during the team lead's sabbatical, ensuring seamless project continuity while maintaining hands-on contributions (feature development, critical bug fixes)
- Drove product turnaround initiatives **that reversed an 11-month decline** in Jetpack Social's MAUs, hitting a key inflection point within 3 months through performance optimizations, and experimental launches
- Successfully transitioned from peer to leader, earning trust through transparent 1:1s, constructive feedback, and performance reviews. **Recognized with an offer for permanent Engineering Lead** (declined to return to IC work)

### Radius Agent, Technical Lead

*April 2018 – October 2021*

- At [Radius Agent](#), I developed **proprietary recommendation algorithms** and **in-house call center** tools using **React, RabbitMQ, Twilio, Node.js, Golang and PHP**—saving **\$10,000/month**, doubling deal closure rates, and streamlining referral processing.
- Built and maintained end-to-end CI/CD pipelines using **Terraform, Buddy CI, AWS, and GCP**, fully automating deployments for 6+ production microservices and **reducing manual ops to zero**.

## Hashnode, Backend Engineer

January 2017 – March 2018

At [Hashnode](#) (developer social network), I designed and built scalable features, developed API routes, resolved bugs, wrote cron jobs, refactored legacy code, and collaborated on code reviews to assure high-quality releases.

- **Saved \$500/month** in operational costs by building in-house image manipulation solution with **S3, Cloudfront, AWS Lambda and ImageMagick**, replacing Cloudinary and enhancing platform efficiency.
- Oversaw infrastructure and deployment as part of DevOps operations with emphasis on seamless automation and management of systems, contributing to platform stability and scalability.

## Shippable, Software Engineer

November 2015 –December 2016

At [Shippable](#) (which was later acquired by JFrog), I developed integrations to enable Docker-based deployments to GKE, Amazon ECS automating workflows for thousands of companies. Contributed to key projects using MEAN stack to raise platform capabilities and optimize CI/CD processes.

- Worked on integrating cloud deployment services like **Google Container Engine, Docker Cloud, and AWS EC2 Container Service** into Shippable, expanding deployment options.
- Streamlined user transactions and improved payment processing efficiency by executing PayPal's Braintree integration to simplify payment functionality for smooth experience across products.
- Wrote multiple bash scripts for internal tooling and automation.

## Altair Engineering, Software Engineer

February 2014 – November 2015

At [Altair Engineering](#), I worked as a backend engineer on the team that built the music streaming app WEYV using **Ruby, Angular, and Node**.

- Refactored legacy API code to improve performance, focusing on optimizing database calls to reduce load and increase efficiency.
- Developed REST APIs using Ruby's Sinatra framework as part of the backend team, ensuring seamless functionality for the app.

## Education

Manipal Institute of Technology, Manipal, India

Bachelor of Engineering in **Computer Science and Engineering**

July 2010 – July 2014