

# Padma Gnanapriya

Associate Technical Lead | Full-Stack Software Engineer | React · Node.js · AWS

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## PROFESSIONAL SUMMARY

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Full-Stack Software Engineer and Associate Technical Lead with over four years building enterprise B2B SaaS products at Velaris, where I grew from intern to technical leader. I build highly scalable, cost-optimized, and robust platforms that run with zero downtime, working end-to-end across React, Node.js, and AWS. I lead and mentor agile squads, raise the engineering quality bar, and use AI-driven workflows to increase team velocity, with a strong focus on performance engineering — including re-architecting slow legacy systems to massively increase throughput — alongside reliability and observability.

## TECHNICAL SKILLS

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**Languages & Frameworks:** JavaScript, TypeScript, Java, Node.js, Express.js, React.js, Redux

**Cloud & DevOps:** AWS (Lambda, SES, SQS, CloudWatch, EC2, ECS), Serverless Architecture, CI/CD

**Databases & Architecture:** PostgreSQL, MongoDB, REST APIs, Microservices, Event-Driven Architecture, System Design, Performance Optimization

**Leadership & Methods:** Technical Leadership, Mentorship, Code Review, Cross-Functional Collaboration, Agile Development

**AI & Automation:** AI-Assisted Development, GitHub Copilot, Claude, Developer Productivity, Test Automation (Jest), Workflow Automation

**Tools:** Git/GitHub, Jira, Postman

## PROFESSIONAL EXPERIENCE

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### Associate Technical Lead — Velaris.io

Jun 2026 – Present | Hybrid, Colombo, Sri Lanka

- Own platform reliability and observability — building real-time monitoring with AWS SQS failure-queue analysis, automated Slack alerts, and custom CloudWatch alarms to catch processing failures and delays instantly.
- Lead a full-stack engineering squad through task planning, technical discussions, code reviews, and feature delivery.
- Designed and implemented an event-tracking process that identified and resolved 500+ data-quality issues across the platform.
- Resolved critical AWS SQS processing issues for enterprise customers and optimized core event handlers to reduce dependency on costly third-party APIs.
- Reduced cloud costs by eliminating duplicate AWS Secrets Manager requests across 45 client environments.
- Improved platform security and stability by identifying and removing high-risk legacy scripts.
- Mentor engineers on system architecture, coding standards, and advanced Git workflows.

### Senior Software Engineer — Velaris.io

Jun 2024 – Jun 2026 | Colombo, Sri Lanka

- Fixed a major six-month-old performance bottleneck in the legacy system by redesigning the data-synchronization process — improving throughput 11x and reducing external API calls by 99%.
- Improved real-time synchronization speed in the Intercom integration by 3x, better supporting large enterprise customers.
- Built a complete AWS SES email infrastructure from scratch in three days, supporting 60,000 emails per run with zero failures.
- Drove end-to-end development of enterprise data integrations (Stripe, Mixpanel, Snowflake), using AI tooling to accelerate delivery by 3–4 days.
- Created reusable coding patterns and best practices adopted across the company, improving maintainability and data quality.

- Improved platform security by resolving critical issues from external security audits and completing internal security challenges.

### **Software Engineer — Velaris.io**

*Jul 2023 – Jun 2024 | Colombo, Sri Lanka*

- Built an email analytics dashboard with user-engagement tracking and email-verification workflows to improve deliverability.
- Implemented one-click unsubscribe aligned with Gmail requirements, improving email reputation and delivery performance.
- Researched and developed the platform's bulk email verification to reduce email-reputation issues.
- Reduced infrastructure costs by migrating core services to AWS Lambda and moving event-handler templates to a serverless architecture.
- Managed production deployments and release processes — including release notes, documentation, and testing — to maintain software quality.
- Delivered technical KT sessions, supported teammates, and wrote thorough documentation to aid development and maintenance.

### **Associate Software Engineer — Velaris.io**

*Jul 2022 – Jul 2023 | Colombo, Sri Lanka*

- Designed and maintained backend microservices focused on scalability, reliability, and maintainability.
- Researched and built marketing email systems and improved project-management features to resolve issues in our existing Gmail-integrated service.
- Replaced repetitive QA work with Python and Jupyter Notebook test scripts for cases previously considered impossible to automate, saving the QA team significant time.
- Reviewed code and mentored teammates on coding standards and Git best practices.

### **Software Engineer Intern — Velaris.io**

*Mar 2022 – Jul 2022 | Colombo, Sri Lanka*

- Developed web applications using React, Redux, Node.js, and AWS in an Agile environment.
- Built REST APIs and managed application data with PostgreSQL.

### **Software Engineering Trainee — Intahub Private Limited**

*Sep 2021 – Feb 2022 | Sri Lanka*

- Built POC systems for cloud and desktop environments using Angular, Express.js, and Bootstrap.
- Developed mobile applications using Angular and the Ionic Framework.

### **Software Engineer Trainee — SoftVessel (Pvt) Ltd**

*Feb 2021 – Jul 2021 | Sri Lanka*

- Built a student registration system and dashboard using React, Redux, Node.js, GraphQL, and MongoDB.
- Automated scheduled email notifications using AWS SES.
- Developed responsive frontend interfaces from design specifications.

## **EDUCATION**

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### **BSc (Hons) Software Engineering — University of Kelaniya, Sri Lanka**

*Jan 2019 – Aug 2023 | Second Class Upper Division (GPA 3.54/4.0)*

### **Comprehensive Master Java Developer (Professional) — IJSE (Institute of Software Engineering), Galle**

*Professional software engineering diploma*

### **GCE Advanced Level (Physical Science) — Mahinda College, Galle**

*Combined Maths: A, Physics: A, Chemistry: C*

### **GCE Ordinary Level — Mahinda College, Galle**

*7 A's and 2 B's*

## **DECLARATION**

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I hereby declare that the information furnished above is true and accurate to the best of my knowledge.

**Padma Gnanapriya**