



# Elaine Garcia

Lead Software Engineer - Education Tech  
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## SKILLS

TypeScript • React • Node.js • PostgreSQL • REST APIs • GraphQL • Microservices • Docker • CI/CD (GitHub Actions) • AWS • Testing (Jest) • Technical Leadership

## EXPERIENCE

### Lead Full-Stack Engineer — EduBridge Learning Technologies

*January 2024 – Present*

Led a cross-functional team of 6 engineers to deliver a TypeScript + React frontend and Node.js backend backed by PostgreSQL for 3 LMS clients. Shipped code with bi-weekly sprints, achieving 99.9% uptime and a 40% reduction in mean time to recovery. Established scalable microservices patterns and mentored 4 engineers, improving code quality and on-time delivery by 25%.

### Senior Software Engineer — BrightPath Education

*June 2020 – December 2023*

Developed scalable TypeScript-based backend with Node.js and PostgreSQL supporting 50k+ users. Led a monolith-to-microservices migration, improving deployment speed by 40% and system resilience. Built React dashboards for teachers and students, increasing daily active users by 18%.

### Software Engineer — AcademiaTech

*January 2018 – May 2020*

Implemented a TypeScript-based frontend with React and a Node.js backend using PostgreSQL. Collaborated with education domain experts to translate pedagogy into features, and established unit tests with Jest, boosting test coverage by 60%.

## EDUCATION

### M.S. in Computer Science

Woodshire University

Graduated: 2016