

Stephen da Conceicao

Staff Engineer | Full Stack Architect | Frontend Platform Leader

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PROFESSIONAL SUMMARY

Staff Engineer specializing in frontend architecture, scalable web platforms, and developer productivity. Delivers measurable improvements in engineering efficiency, code quality, and release velocity through modern frameworks, automation, and system design. Proven leader in standardizing development practices across teams and building high-leverage tooling that accelerates delivery.

TECHNICAL EXPERTISE

- **Frontend Architecture:** React, Next.js, Redux, Storybook, Microfrontends, Design Systems
 - **Backend & APIs:** Node.js, NestJS, Express, GraphQL, REST APIs
 - **Cloud & DevOps:** AWS (S3, EC2, CloudFront, API Gateway), CI/CD, GitHub Actions, Bitbucket Pipelines
 - **Testing & Quality:** Jest, Cypress, TDD, E2E Testing, Code Coverage Automation
 - **Data & Storage:** PostgreSQL, MongoDB, MySQL
 - **Developer Experience:** Monorepos (NX), Build Systems (Webpack, Rollup), Linting, Gitflow
 - **Languages:** TypeScript, JavaScript, Java, PHP, SQL
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PROFESSIONAL EXPERIENCE

NCS Credit — *Staff Engineer*

Nov 2025 – Present

- Established **CI/CD processes** that increased deployment frequency by ~100%, reduced build/test failures by ~35%, and improved deployment confidence with automated validation and release safeguards.
 - Led **team training on effective AI agent workflows**, optimizing prompt strategies and model selection to reduce token consumption costs by ~70% within two months.
 - Implemented **asynchronous backlog refinement processes** to reduce dependency on recurring meetings, decreasing team meeting time by ~75% while maintaining delivery alignment
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RV Life — *Principal Engineer*

Nov 2022 – Aug 2025

- Led adoption of an **NX monorepo architecture** to unify multiple applications, decreasing duplicate code by 66% and reducing build/configuration inconsistencies by ~75%, and reducing new package creation setup by ~80%
- Introduced automated testing strategy using Jest and Cypress, increasing test coverage from **12% to 84%**, and shortening regression testing time by ~50%.

- Built **automated PR validation pipelines (GitHub + Jira MCPintegration)** with **preview deployments environments** to enforce acceptance criteria and coding standards, reducing manual review overhead by 20%, and provide instant access to Developers and QA to review features
- Integrated **Design System and documentation workflows (React + Storybook)** to create cohesive visual designs across 3 microfrontends and 2 applications, increasing reusable component usage by 100%
- Migrated legacy **Laravel** monolithic backend to **NestJs microservice (AWS, EBS, API Gateway)**, cutting monthly costs by 15% while providing better scalability and redundancy.

Tech Lead

May 2022 – Nov 2022

- Mentored a team of 6 frontend engineers by introducing **linting, testing standards, and TypeScript best practices**, improving code consistency and maintainability, improving PR approval speed by ~20%, and increasing long-term maintainability across 4 codebases.
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Aura — Frontend Web Lead

Jan 2022 – Apr 2022

- Implemented **Storybook-based component system** to standardize UI development, improving component reuse by ~10% and reducing UI inconsistencies
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Bottomline Technologies — Senior UI Developer

Aug 2019 – Dec 2021

- Built and maintained CI/CD pipelines using Jenkins and Bitbucket, automating testing and deployments, reducing manual release time by 50%.
 - Designed and implemented a CI-integrated documentation platform for internal Design System, auto-deploying documentation with component updates and improving developer adoption by 25%.
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Uniguest — Senior Software Engineer

Jan 2017 – Aug 2019

- Replaced a legacy Flash application with a **modern React-based solution** to improve load times by 50%, and increase compatibility to modern browsers
 - Built **cross-platform mobile apps (React + Cordova)** with an automated build and deployment process to expand product reach to iOS and Android users using existing web frontends, removing need for external mobile team and cutting the time for new feature development by 66%
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WeSpeke — Senior Full Stack Developer

Jul 2015 – Dec 2016

- Developed **AWS-based microservices (SQS, RDS)** to support scalable activity feeds and backend processing
- Built **real-time audio recording and speech recognition modules**, enhancing interactive learning capabilities
- Migrated legacy Angular architecture to **modern component-based ES6 structure**, improving maintainability
- Introduced **end-to-end testing (Protractor)** to improve release confidence and reduce regressions

CERTIFICATIONS

- Graph Developer – Professional (2025)
 - Graph Developer – Associate (2025)
 - Apollo API Orchestration – Associate (2025)
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SELECTED PROJECTS

- **Bells Across PA (2026):** PWA using Tanstack Start, Neon DB
 - **Pokedex (2025):** Full stack app using GraphQL and Next.js demonstrating API design and SSR patterns
 - **Cookbookery (2022):** Full stack React/React Native app with Express backend and custom form system
 - **Code-X (2021):** Reusable React component library built with monorepo architecture
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EDUCATION

Duquesne University

- BSBA, Information Systems Management
- BA, Interactive Media