

# Dylan Clemann

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## Education

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University of Central Florida – B.S. Computer Science

Graduated 2018

## Skills

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Typescript, Node, Java, Spring, AWS, React, Next.js, DynamoDB, PostgreSQL, MySQL, Docker, CI/CD

## Experience

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**Software Engineer II**, Amazon – Miami, FL June 2023 – Present

**Software Engineer** Amazon – Miami, FL June 2022 – June 2023

- Led a year-long project through design, implementation and launch of a Java-based migration system handling 1M+ daily transactions, shifting customer traffic to Prime's new subscription service. Implemented shadow testing and real-time validation to ensure a seamless, zero-downtime cutover.
- Led a team of two interns building an internal React/Node tool integrating service APIs to surface subscription data for debugging, on-call operations, and account managers
- Optimized an AWS Lambda & Step Functions service processing 1M+ events/day, eliminating redundant logic and workflow steps to cut costs 50% and improve execution time 30%
- Architected the backend services for Prime Video Free Trial activation on millions of LG & Samsung Smart TVs, using DynamoDB and Lambda to power a secure QR code login and device linking flow.
- Pioneered AI adoption within the team, building a CloudWatch tool that automated log analysis with Bedrock LLMs, and introducing the concept of agent scripts. Served as AI lead, mentoring teammates on agentic programming and driving effective use of AI across projects.

**Software Engineer**, LSQ – Orlando, FL Jan 2019 – June 2022

**Software Engineer Intern**, LSQ – Orlando, FL Aug 2018 – Dec 2018

- Migrated a monolithic Angular app to a Micro Frontends architecture using Webpack Module Federation, enabling faster independent deployments, improving developer experience, and maintaining a seamless UI.
- Automated builds, testing, and deployments for several Angular applications using GitHub Actions, streamlining CI/CD workflows and enabling consistent updates to AWS CloudFormation stacks.
- Built a CI/CD deployment monitoring tool (Angular, API Gateway, Lambda, DynamoDB) during a hackweek project, providing teams with real-time deployment visibility plus promotion and rollback controls for CodePipeline and CodeBuild.
- Developed customer-facing web app features by implementing backend services in Java and Node.js, expanding user access to payment requests, bank account connections, and invoice submissions.

**Software Engineer Intern**, FIS Global – Orlando, FL Jan 2018 – August 2018

- Developed and integrated a business intelligence dashboard into an existing ASP.NET MVC 5 web application, leveraging SQL queries to pipe data into PowerBI for interactive visualizations and custom front-end filtering

## Projects

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**Archivum** <https://archivum.clemann.app>

- Built a book and media cataloging app for households, using React and NextJS. Integrated with Google Books API, Spotify API, and Twitch Games database to enable searching and organizing media.

**RecipeForge** <https://recipeforge.app>

- Created an AI-enhanced recipe and meal planning application, built with React and NextJS, integrated with OpenAI and Gemini APIs to assist in recipe creation and image generation.