Ricci Dylan Andrada

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EXPERIENCE

Software Engineer — July 2022 – Present
ADP — *Florham Park, NJ*

- Built and operated microservices and micro-frontends powering production systems for 900,000+ small-business clients using **React.js**, **TypeScript**, **Node.js**, and **C#**, ensuring high availability and scalability.
- Increased automated client onboarding by 30% as a primary contributor to a **MERN + .NET** redesign of the digital onboarding platform, collaborating with cross-functional teams.
- Architected and migrated a legacy customer-facing referral platform with custom referral codes, **Databricks** analytics, and **Salesforce** attribution, driving a 20% increase in adoption through social sharing capabilities.
- Implemented third-party integrations (**Plaid**, **GIACT**) to reduce fraud by up to 50% and decrease onboarding time by 32% through automated verification and handoffs.
- Developed and maintained an internal **React** component library in close partnership with UX/UX teams, standardizing complex data workflows and validation patterns while enforcing WCAG accessibility standards across customer-facing applications.
- Architected and implemented a scalable lead ingestion and **Salesforce** pipeline for ADP.com's RUN Payroll solution, increasing lead visibility across sales teams and driving a 20% lift in conversion.

Software Engineer Intern — Oct. 2021 – Jan. 2022
Case Medical — *Bloomfield, NJ*

- Standardized developer onboarding by creating installation runbooks and documentation that reduced setup friction and support overhead across teams.
- Designed **Flask** REST APIs to automate engineering request workflows, replacing manual processing with scalable PDF generation services.
- Expanded CaseTrak360 robotic instrument tracking via **Laravel** development, increasing surgical coverage by 20%.

PROJECTS

Hively — Dec 2025 – Present

- Building a multi-tenant SaaS platform for service-based vendors that centralizes booking, payments, and lead management, replacing fragmented workflows across DMs, email, and manual invoicing.
- Architected and implemented a full-stack system using **Next.js**, **TypeScript**, **Node.js**, **PostgreSQL**, and **AWS**, integrating Stripe, HubSpot, and Google Calendar to automate end-to-end lead-to-booking workflows, scheduling, and transactional email services to automate lead-to-booking workflows.
- Designed an embeddable booking widget and backend pipeline enabling plug-and-play onboarding across customer websites and social media while maintaining centralized payment and scheduling logic.

TECHNICAL SKILLS

- **Languages**: JavaScript, TypeScript, C#, Python
- **Frontend**: React.js, Next.js, TailwindCSS, Material UI, Bootstrap
- **Backend & APIs**: Node.js, Express.js, .NET, Django, Flask, OpenAPI (Swagger)
- **Databases & Infrastructure:** MongoDB, MySQL, Docker
- **Testing & Tooling:** Playwright, Selenium, Jest, Mocha, Chai, Cypress, React Testing Library, Git, ESLint, Splunk, GitHub Copilot SDK

EDUCATION

Georgia Institute of Technology — Atlanta, Georgia
Master of Science in Computer Science — *Expected Graduation: May 2027*

New Jersey Institute of Technology — Newark, NJ
Bachelor of Science in Computer Science — *Graduated August 2022*