

# AnnieRae Ciocolanti

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## FULL STACK SOFTWARE ENGINEER

*Innovative, adaptable, and detail-oriented Full Stack Engineer with a passion for designing secure and scalable solutions*

Forward-thinking Software Engineer excited about working on cutting-edge technology teams, with expertise in designing high-reliability authentication systems, optimizing security protocols, and building scalable APIs for cloud-based, high-traffic applications. Experienced in identity and access management, implementing Single Sign-On (SSO) and federated identity solutions using SAML, OpenID Connect (OIDC), and OAuth 2.0, ensuring secure and seamless user access. Proficient in Microsoft Azure, C#, .NET, and JavaScript frameworks like React and Angular, as well as SQL and NoSQL databases. Known for a self-driven, creative, and adaptable approach, bridging technical depth with strong collaboration and clear communication to solve complex challenges, streamline authentication flows, and improve system performance. A thoughtful, dependable contributor who consistently goes above and beyond in dynamic, fast-paced environments.

Scalable & Reliable API Design | C# & .NET Development | Object Oriented Programming | JavaScript | React | Angular Authentication & Authorization Security | Microsoft Azure & Cloud Services | SQL & NoSQL Database Optimization | Fraud Mitigation & Secure Login Systems | CI/CD & DevOps Pipelines | Test-Driven Development (TDD) | Agile Development | Cross-Functional Collaboration | Creative Problem-Solving & System Debugging | Okta Auth0 | Microservices | Monitoring and Observability | Azure Functions

## PROFESSIONAL EXPERIENCE

PAYCOR – Cincinnati, OH

*Paycor, recognized for its innovative technology stack, continues to strengthen its presence as a disruptor in the HR and payroll marketplace.*

### Software Engineer, Remote

2023 – Present

Key contributor on a mission-critical and highly visible security team, playing a pivotal role in Paycor's authentication, authorization, and fraud mitigation strategies. Operate in a fast-paced, high-impact environment, handling multiple assignments weekly while solving highly technical and critical support questions. Collaborated on feature design and refinement efforts, enhancing user authentication workflows and improving system functionality.

- Designed and implemented secure authentication and authorization services for high-traffic applications, including user sign-in, registration, and token management.
- Designed and developed scalable APIs and background processes using Azure Functions, microservices architecture, and cloud best practices, improving system efficiency and reliability.
- Developed systems for migration of sensitive authentication data from on-premise servers to Microsoft Azure, enhancing data availability, security, and system reliability.
- Integrated advanced fraud mitigation and role-based access control (RBAC) mechanisms, enhancing login security and access control.
- Managed CI/CD pipelines using Octopus and TeamCity to streamline deployments and maintain high system stability.
- Collaborated in Agile teams with QA and Product to deliver high-quality features, refine authentication workflows, and align with security and business goals.
- Rapidly investigated and resolved authentication-related issues, diagnosing vulnerabilities and deploying solutions to maintain platform security and uptime.
- Wrote unit tests using Moq and NUnit to validate code reliability, maintainability, and high test coverage in C# microservices applications.
- Leveraged and optimized monitoring and observability tools like Azure Monitor, Application Insights, and logging frameworks to improve system visibility and troubleshoot issues effectively.
- Wrote and optimized SQL queries, stored procedures, and database schemas in SSMS SQL and Snowflake, improving data retrieval performance and enabling efficient database operations.

SENTRIC HR – Philadelphia, PA

### Junior Application Developer, Remote

2022 – 2023

Developed and maintained HR technology software, enhancing system security and implementing new product features in an Agile environment. Actively contributed to a highly interactive development team, participating in daily stand-ups, sprint planning, and retrospectives to enhance workflow efficiency and team coordination. Partnered with QA engineers and product managers to maintain high coding standards and improve overall software reliability.

- Developed and optimized software applications using JavaScript, C#, and Object-Oriented Programming (OOP) principles.
- Designed and executed automated tests using NUnit to uphold software quality and minimize production issues.
- Enhanced database performance by optimizing queries and implementing Microsoft SQL Server solutions.
- Created custom reports via SQL Server Reporting Services (SSRS), delivering actionable insights for business stakeholders.
- Collaborated with teams to design and roll out new product features, enabling seamless integration and enhancing user experience.
- Engaged in Agile development processes, contributing to iterative software enhancements, backlog refinement, and cross-team collaboration.

GENERAL ASSEMBLY – Denver, CO

**Software Engineering Immersive, Remote**

**2021 – 2022**

Completed a 420+ hour full-time boot camp focusing on full-stack software engineering. Developed real-world applications utilizing modern frameworks, databases, and APIs.

- Built interactive applications, including a responsive MERN app for budget tracking, incorporating authentication and authorization features.
- Developed a React-based astrology and astronomy app using NASA APIs, implementing a dark mode feature.
- Created a browser-based card game using vanilla JavaScript, designing win/loss logic and UI elements.

ANDROID JONES LLC. – Lyons, CO

**Brand Manager & Director of Operations, Hybrid**

**2014 – 2021**

Managed brand presence, marketing, and e-commerce operations for a globally recognized digital artist. Led social media growth strategies, executed marketing campaigns, and facilitated high-profile collaborations. Acted as liaison between artist and industry partners, coordinating partnerships, licensing agreements, and project negotiations.

- Scaled social media engagement, increasing Instagram followers from 70K to 210K and growing the email subscriber base from 5K to 21K.
- Managed and optimized the Shopify e-commerce platform, driving online sales through strategic marketing initiatives.
- Led event operations, coordinating 20+ support staff and volunteers for global exhibitions and live performances.
- Designed and developed branding materials, including web assets, marketing content, and NFT projects.

## EDUCATION

General Assembly | Full Stack Software Engineer Immersive | 2022

Standout SquareSpace | Coding and Design in Squarespace and Shopify Course | 2021

Boulder Digital Arts | Graphic Design Certificate | 2018

Bachelor of Science in Business | Appalachian State University | 2012

## TOOLS & TECHNOLOGY

**Programming Languages:** C#, JavaScript, HTML, CSS, Python

**Frameworks & Libraries:** .NET 6/8, ASP.Net Core, Entity Framework, LINQ, React, Angular, Node.js, Express, Django

**Databases:** SQL, Snowflake, MongoDB, NoSQL, Cosmos DB, Azure Storage

**Cloud & DevOps:** Microsoft Azure, AWS, RESTful APIs, JSON, CI/CD, Team City, Octopus

**Authentication & Security:** Okta Auth0, OIDC, OAuth2.0, SAML

**Tools & Platforms:** Visual Studio, VS Code, Trello, Slack, Git, Salesforce, TFS, SSM

**E-commerce & Design:** Shopify, WordPress, Adobe Photoshop, Adobe Illustrator, Adobe XD

**Software Development Practices:** Test Driven Development (TDD)