CRYSTAL RIVERA

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Summary

Enthusiastic software engineer offering 10 years of experience with a demonstrated history in full-stack development. Renowned for mentoring engineers and driving project success, my passion for advocating for diversity and continuous improvement significantly boost team synergies and creates an environment of both fun and empowerment.

Skills

Programming Languages
- C#, SQL, Typescript, React, Python

Cloud & Infrastructure
- GCP; Cloud Functions, API Gateway, Google Secret Manager, AWS; Lamdas, Cloud Formation, Step Functions, Dynamo, CDK

Identity & Access Management
- Strong background in role-based and attribute-based access control (RBAC & ABAC) practices
- Experience with OAuth2, Single Sign-On (SSO), and LDAP
- Familiar with security compliance frameworks HIPPA and GDPR

Distributed Systems & Scalability
- Experience with database administration and scripting with Microsoft SQL Server
- Strong background in API development and securing them behind API gateways, API keys, etc.
- Comfortable with Dbt, Dagster, Snowflake, Postgres

DevOps & Tools
- Experience creating and managing CI/CD pipelines using GitHub Actions and TeamCity
- Strong background in software testing and automation; Cucumber, Jest, NUnit, Storybook
- Familiar with AI tooling and integration; OpenAI, Claude Code, Copilot

Experience

03/2025 - Current
Sigma Squared
Cambridge, MA

Senior Software Engineer
- Spearheaded development of customer facing features with Typescript, React, NestJS, and AWS to a deliver scalable, high-performant experience.
- Collaborated with other engineers and stakeholders in a fast-paced start-up environment, adapting to evolving requirements while ensuring timely and quality releases.
- Partnered closely with data scientists to help integrate their workflows and insights into the web platform. Assist in improving and empowering their processes.
- Advocated for best practices in testing, CI/CD, and security compliance in addition to helping raise core engineering standards.
- Took on a security lead role, ensuring compliance and best practices in partnership with Vanta
- Participated in agile ceremonies to facilitate project planning and progress tracking.

01/2022 - 03/2025
UKG (Ultimate Kronos Group)

Lead Software Engineer
- Supported team of 10 as technical lead for a year, enforcing code quality, leading design discussions, and empowering engineers.
- Mentor and coached junior team members in best practices, code reviews, and technical skills development to improve overall team efficiency and effectiveness.
- Collaborate with product managers and stakeholders to define project requirements, prioritize

tasks, and deliver timely and high-quality software solutions.

- Develop, enhance, and support various applications, current primary focus on in house .NET identity and access management application.
- Implemented serverless API functions and gateway using Google Cloud Platform in both Python and .NET
- Designed and implemented self-service web application using React/Redux for front-end and ASP.Net Core for back-end API.
- Assist talent recruitment in interviewing candidates for our internship program.

01/2021 - 01/2022   **Senior Software Engineer**

UKG (Ultimate Kronos Group)
- Supported and enhanced 15+ tools of varying technological stacks including .NET, ASP.Net, SQL, and Angular/Typescript
- Reviewed and helped enforce code quality through code reviews and pair programming.
- Preformed backup duties for several SMEs, including those concerning InstallShield, SQL, and Angular projects.

07/2017 - 12/2020   **Junior Software Engineer**

UKG (Ultimate Kronos Group)
- Assisted in design and implementation of .NET application meant to apply any changes to product SQL metadata with versioning, rollback, and patching capabilities.
- Collaborated with senior engineers on maintaining and enhancing legacy tools.
- Supported and maintained CI/CD pipelines in TeamCity using Nant, Powershell, and other tools to maximize uptime and quality.

05/2016 - 06/2017   **Software Test Engineer**

UKG (Ultimate Kronos Group)
- Created and implemented formal standard for testing in tools where previously there was no existing process.
- Updated outdated testing frameworks and converted existing test suites to Gherkin-like syntax framework like Cucumber and SpecFlow.
- Built test gates into our CI/CD pipelines for regression testing and validation of development going forward.
- Led "Lunch and Learn" teaching sessions centered around unit, integration, and acceptance testing for my team.

Education and Training

Atlanta, GA

Master of Science in Computer Science
Georgia Institute of Technology
Credits Completed: 24

Miami, FL

Bachelor of Science in Computer Science
Florida International University
Magna Cum Laude

Davie, FL

Associate of Science in Computer Science
Broward College

Volunteering

MSPCA Northeast Animal Shelter - *Cat Caretaker* - Salem, MA
- Facilitate intake and flow of potential adopters; answer questions, give advice, and help socialize with animals.
- Maintain a healthy and safe space for both the animals and people traversing through kennels.

- Handle any animal with care, including adhering to strict schedules, dietary restrictions, and varying behavioral temperaments.

City of Sunrise Summer Camp - *Seasonal Counselor* - Sunrise, FL

- Supervised and engaged groups of 20-30 campers while ensuring safety, inclusion, and positive experiences.
- Trained and guided junior counselors, delegating responsibilities and fostering leadership development.
- Led age-appropriate programs and activities that promoted teamwork, creativity, and problem-solving.
- Applied strong communication and conflict-resolution skills to support campers, staff, and parents.