



  
Lansing, MI

# CHRISTOPHER CENTRELLA

SOFTWARE ENGINEER | FULL STACK ENGINEER

  
[chriscentrella.com](http://chriscentrella.com)

  
[ccentrella](https://github.com/ccentrella)

  
[in/ccentrella](https://in/ccentrella)

## SPECIALTIES AND SKILLS

- Software Engineering
- Mobile Development
- App Development
- Web Development
- Machine Learning
- Computer Vision
- UX/UI Design & Prototyping
- Object Oriented Programming
- Agile Methodology
- Project Management
- Graphic Design
- Analysis & Problem-solving
- Time Management
- Teamwork & Collaboration
- Effective Communication
- Technology Early Adopter
- Self-starter with a dedication to professional growth
- AWS Certified

## TECHNICAL KNOWLEDGE

- Operating Systems: Windows, Linux, macOS
- Programming languages: C#, Python, Ruby, HTML/CSS/SCSS, XAML, Java, JavaScript
- Open-source platforms/frameworks: .NET, Xamarin, WPF, LINQ, Ruby on Rails, Spring Boot
- Cloud platforms and IDE: Visual Studio, Visual Studio Code, AWS, Amazon Cloud9, Google CoLab, Jupyter Notebooks
- Database technologies: MySQL, PostgreSQL, Oracle
- Project Management: Slack, Microsoft Teams, WebEx, Pivotal Tracker, Jira, Git
- Protocols and networks: SSH, OpenSSH, SSL, HTTP, HTTPS, FTP, SCP, RSYNC, Brew, NPM, Yarn

## SUMMARY

- Creative and hard-working graduate in Computer Science with software engineering and app development experience using a range of technologies and programming languages
- Started programming at an early age and completed 10+ individual projects since 2015 – various educational apps and learning management system
- Passionate about computer vision, AI, machine learning, and UX design, and committed to using industry standards and best practices

## PROJECT RELATED EXPERIENCE

### APP DEVELOPMENT

2015 - 2021

<https://github.com/ccentrella>

- Achievements:
  - Wrote 10+ educational and other apps as academic and personal projects, including a file organizer and various learning management system apps
  - Class project: Collaborated with Agile team to create managed Xamarin “Fictionary” fake dictionary app
    - Implemented using MVVM architecture and MySQL database
    - Served as lead programmer and designer; explained C# and XAML fundamentals to classmates
  - Applied object oriented programming concepts, by creating several small apps, completely from scratch
- Activities:
  - Created managed Android and iOS app using Xamarin and implemented with Model-View-ViewModel (MVVC) framework
  - Created rich UIs and fully customized WPF themes; used wrappers for native Windows APIs
  - Used LINQ and data binding to manage data
  - Interacted with system registry
  - Read and wrote to file system for logging and retrieving/saving data
  - Made careful use of exception handling and best practices
- Technologies used: C#, Xamarin, .NET, WPF, XAML, XML, LINQ, Windows Forms, MySQL

### PERSONAL PORTFOLIO WEBSITE

2021 - Present

<https://chriscentrella.com/>

- Achievements:
  - Developed responsive personal portfolio website
  - Created blog functionality with a modern interface and interactive, dynamic admin panel
- Activities:
  - Prototype in Adobe XD and implement mobile-first using HTML/CSS, Ruby on Rails
  - Continuous improvement and incremental lifecycle model
  - Implemented using RESTful Web services and PostgreSQL database
- Technologies used: HTML/CSS/SCSS, Ruby on Rails, JavaScript, PostgreSQL, Adobe Illustrator, Git

- Software: MS Office, iWork, Adobe CC, WordPress, D2L, Cucumber, Virtual Box, Hyper-V, WSL2

## EDUCATION

### BSC IN COMPUTER SCIENCE

2018 - 2022

Franciscan University of Steubenville (OH)

- Minor: Software Engineering, 3.96 GPA, Summa Cum Laude
- Thesis: "Introduction to Modern Convolutional Networks"
- Relevant courses: Data Structures, Object Oriented Programming, Information Processing Systems, Software Processes & Quality Control, Requirements Analysis, Computer Architecture & Operating Systems, Software Engineering
- Awards and honors: James Salter Award for the top graduating Computer Science student, Alpha Chi Honor Society, Dean's List

## COURSES AND TRAINING

2022

AWS Cloud Practitioner Certificate, AWS

2022

UX Design Courses, Google

2022

Software Engineering courses (Agile, Git, Design Thinking, DevOps, UML, Delivering Value), IBM Associate program

2021

Machine Learning, LinkedIn Learning and other resources

2021

Graphic Design Courses (Adobe CC, Layout, Typography), LinkedIn Learning



## WORK EXPERIENCE

### ASSOCIATE APPLICATION DEVELOPER

IBM CONSULTING, LANSING (MI)

Jun 2022 – Present

- Completed 350+ hours of training for several technologies - Java, Spring, Spring Boot, UML, Git, Agile, DevOps, Design Thinking
- Earned 7 badges, covering software engineering practices like Agile and Design Thinking
- Earned AWS Practitioner Certificate
- Completed the HR case study - web project for the HRMS with 10+ features, applying all the tech and skills learned and exceeded expectations by making a very refined user experience
- Currently assigned to work for a large international client in a virtual team and report directly to the Project Manager, primarily working with Oracle PL/SQL.

### JUNIOR SOFTWARE ENGINEER

ST. PAUL CENTER - INTERNSHIP, STEUBENVILLE (OH)

Jan 2022 – May 2022

- Worked in a team of 5 members and reported to the Product Owner
- Worked on improving the website usability:
  - Used React to improve user experience by redesigning navigation pages and loading screens
  - Refactored React code to improve code readability and maintainability
  - Implemented ActiveAdmin panel and styled with CSS
- Followed Agile workflow with regular meetings, demos, bug reviews, and version control:
  - Participated in weekly meetings with the Product Owner
  - Participated in retrospectives and sprint planning sessions
- Assisted colleagues and trained them to use HTML/CSS
- Used Pivotal Tracker and GitHub Pull Requests to pull items from backlog and merge changes with existing code
- Used various tech: React, Ruby on Rails, PostgreSQL, Material UI, CSS, Adobe XD, ActiveAdmin

### LEAD WEB DEVELOPER

CATHOLICS FOR HIRE LLC. - REMOTE

Jun 2021 – Apr 2022

- Led teams of 2-4 people and managed the end-to-end creation of 5 client websites
- Interacted with clients, and worked to implement processes for the startup:
  - Performed SQL database tasks, interacted with Linux server console, configured web domains, used cPanel and login, and managed virtual machines using SSH
- Served as the go-to person for all technical problems and as the "right-hand man" for the CEO
- Implemented consistent branding to meet client needs by working with the video production team
- Technologies used: WordPress, PHP, SSH, HTML/CSS, prototyping

## VOLUNTEERING EXPERIENCE

### EXECUTIVE EDITOR

CLARIFYING CATHOLICISM BLOG (REMOTE)

Mar 2021 – Mar 2022

- Oversaw the process of writing, editing, and publishing all content
- Cut time to post each article by 50% by implementing a streamlined process