Christopher Centrella

I build minimalist, accessible, and beautiful user experiences.
Led data migration for 250+ clients and 65+ collections.

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in linkedin.com/in/ccentrella

PROFESSIONAL EXPERIENCE

SOFTWARE ENGINEER III at Groups360
08/24 - 02/25 | Startup for group travel

- Led data migration for 250+ clients, reducing feedback loop from 5 minutes to instant. Rearchitected .NET WebAPI to support all 65+ collections, resolved data integrity violations, and provided language accommodations for teammate.
- Created POC for VP of Engineering to mitigate QA bottleneck for .NET apps
- Led initiative for refactoring SQLAlchemy queries by using repository pattern, session, and subqueries to optimize performance by 10X and fix atomicity violations. Presented company-wide KT session to engineering team.
- Refactored IAM for entire application. Implemented role-based and attribute-based authorization; reusable authentication; Redis caching for 2-3X less calls.

SOFTWARE ENGINEER II at Groups360
01/23 - 08/24 (promoted) | Startup for group travel

- Rewrote revenue logic and carefully tested each flow, e.g., inclusive vs. exclusive taxes, total revenue vs. upsell revenue
- Built .NET WebAPI microservice, reducing lost client emails by 15%
- Led effort to upgrade React pipeline, improving developer experience by 50%

SOFTWARE ENGINEER at IBM Consulting
06/22 - 12/22

- Led UX Design for internal project, enhancing user experience by 200%
- Built React components to improve employee satisfaction by 20%
- Mitigated 50+ client requests for Fortune 500 company with 90% success rate

SOFTWARE ENGINEER at Self-Employed
2017 - 2022

- Built React administration portal to support all 10+ courses for nonprofit, while reducing time to market for new initiatives. Rebuilt loading screen for beautiful user experience.
- Early-stage engineer at consulting agency, building 5+ client websites and resolving 3+ outages. Led 3+ projects for top client.
- Built responsive, accessible template to support 3X device types, while enhancing user experience for educational provider. Upgraded existing courses to use new template.

SKILLS

Artificial Intelligence: OpenAI API, Chain of Thought, Reasoning, RAG, LLM Image Generation, Diffuser Image Generation

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Backend: C#.NET, Python, Entity Framework Core, Dependency Injection, AutoMapper, Fluent Validation, MediatR, Quartz.NET, Flask, SQLAlchemy, Alembic, Celery

Database: Redis, PostgreSQL, MongoDB, MySQL, MariaDB, AWS S3

Cloud: AWS S3, AWS CloudFront, AWS Lambda, AWS API Gateway, AWS EC2, AWS CloudWatch, AWS IAM

Distributed Systems: Rabbit MQ, REST, API Design, Microservices, Feature Flags, Docker, Kubernetes

Quality Assurance: Unit Tests, Integration Tests, Selenium, Postman, DataDog, Agile, Continuous Learning, Lean, Kanban, Scrum

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Frontend: React, React Router, Redux, CSS, Tailwind CSS, Javascript, Typescript, Webpack 5, Vite, Storybook

Design: Color, Typography, Grid, Responsive Design, Accessible Design, Flat Design, Glassmorphism, Logos, Figma, Adobe Illustrator, Adobe InDesign

CERTIFICATES

AWS Certified Cloud Practitioner

LinkedIn Assessments: OOP, REST API, C#, HTML, CSS, Machine Learning

EDUCATION

Bachelor of Science in Computer Science, Minor in Software Engineering
Franciscan University, OH