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# Chih-Ho Chou

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## ABOUT ME

I consider myself a full stack software engineer who has extensive experience across various industries. My works span through backend, frontend, and platforms/infrastructures. My most recent work involves front-end performance tuning, web platform stability/observability, and CI/CD automation on a mono repository. I am a firm believer of picking the right tools and methodology to solve challenging problems.

## TECHNICAL SKILLS

- **Programming Languages:** Mostly C#, Java, and TypeScript/JavaScript; some Python and Go
- **Front End:** React/Nextjs, Kendo, jQuery, and CSS
- **Back End:** GraphQL/Apollo Server and Relational/NoSQL DataBases
- **CI/CD:** Github Actions, Jenkins, and CircleCI
- **Cloud:** AWS, Terraform, and K8s/Dockers
- **Observability:** Sentry, DataDog, and Splunk
- **Tools:** Git/Github, Bash Shell, Vim/NVim

## EXPERIENCE

### Peloton Interactive, New York, NY – Software Engineer

February 2021 – PRESENT

- CI/CD
  - Led the code owner coverage initiative – Code owner coverage on our mono repository increased to 78% from 53% via CI checks. More details on my [Medium post](#).
  - Implemented caching and affected checks on our CI to improve performance. Redefined pre and post submit checks for better dev experience with pipeline health monitoring integrated with our observability tool.
- Web platform
  - Nextjs migration with the incremental approach by building a hybrid CRA and Nextjs app with Netlify redirects.
  - DataDog integration with code owners, sourcemaps and custom tags for Observability.
- Onepeloton.com
  - Implemented page lazy-loading and used feature toggles to test components.
  - Tools: React, styled components, storybook, and Optimizely

## **Buildit@Wipro Digital, Brooklyn, NY – Platform Engineer**

April 2018 – January 2021

- Enterprise Messaging Hub
  - Commenced the work of building an organization-wide messaging hub with the Kafka based pub/sub architecture
- DevOps Transformation
  - Led the DevOps transformation for client by automating build processes
  - Based on feedback gathered from different parts of the organization, defined end to end for CI pipelines

## **TEKSystems, New York, NY – Software Contractor**

August 2016 – October 2017

- Global Technology Infrastructure, J. P. Morgan Chase
  - Led the pilot .NET CORE project and shared learnings and pros and cons
  - Refactored the Data Access Layer to be generic by using Repository with unit of work pattern

## **IntegriData, New York, NY – Senior Software Engineer**

October 2015 – August 2016

- Restful Web API integration for client to consume our product, CashWire
- Implemented configurable approval workflows for vendor invoicing system
  - .NET MVC, EntityFramework, and Kendo UI

## **The Segal Group, New York, NY – Application Developer**

November 2013 – October 2015

- Ref360.com
  - Worked as a lead developer to gather requirements and implement scalable solutions with object-oriented and test-driven principles in mind
  - Refactored front end data binding with knockout.js to move toward a single page application model.

## **PROFESSIONAL CERTIFICATIONS**

- AWS Certified Developer – Associate (Certified: Oct 2019)
- MCS D (Microsoft Certified Solution Developer) – Web Applications (Certified: Sept. 2016)
- Microsoft Certified Technology Specialist – .NET Framework 3.5/4, Web Applications
- Microsoft Certified Technology Specialist – .NET Framework 3.5

## **EDUCATION**

### **New York University, New York, NY – MS, Computer Science**

September 2002 – May 2005