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Chih-Ho Chou

ABOUT ME

I am a seasoned and self-motivated 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, and CI/CD improvements. 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, NexJS, 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

- Onepeloton.com
 - Implemented page lazy-loading and used feature toggles to test components.
 - Tools: React, styled components, storybook, and Optimizely
- Web platform
 - Nextjs incremental migration by building a hybrid CRA and Nextjs app.
 - DataDog integration with sourcemaps and custom tags for Observability. Used web hooks to communicate with other systems such as Slack and PagerDuty based on events triggered.
- CI/CD
 - Refactored Github Action workflows with reusability and improved performance.
 - Redefined pre and post submit checks for better dev experience. Monitored and investigated pipeline health then find opportunities to improve health and performance of our CI/CD pipelines.

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)
- MCSD (Microsoft Certified Solution Developer) – Web Applications (Certified: Sept. 2016)
- Microsoft Certified Technology Specialist – .NET Framework 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