

Ryan Waskiewicz

Software Engineer & Architect

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<https://ducktyped.dev>

EXPERIENCE

ABBYY - *Principal Software Architect*

December 2024 - Present

- Established frontend & backend architecture for a new product-led growth initiative and collaborated with engineering team to implement features
- Designed and implemented the restoration of unit and component tests for legacy microservice-based backend

OutSystems (Ionic) - *Principal Software Engineer*

June 2021 - December 2024

- Served as the technical lead for Stencil JS, a web component compiler & runtime
- Implemented features and bug fixes across the compiler & runtime, including concrete syntax tree transformations, filesystem interactions, and virtual dom fixes.
- Built and led a team to systematically revive the product and engineering practices.
- Managed all Stencil open source interactions, including issue triage & pull request review, as well as Stencil communications via Discord & blog posts.
- Served as primary contact point for Sales, Customer Success, Marketing, and additional engineering teams.

Argo AI - *Senior Software Engineer*

August 2017 - June 2021

- Architected in-house static analysis framework for safety critical mapping data
 - Granted: US Patent 12,366,462-B2
- Developed frontend libraries and applications using React, Redux, Enzyme & Jest
- Implemented developer tooling CLIs and packages for organization-wide use
- Created microservices using Spring for authentication, data collection, and caching services
- Built fault-tolerant messaging systems using SQS, SNS, and the Serverless framework
- Helmed creation and running of the organization's offboard language coding standards committee. Introduced TypeScript to the organization.

UPMC Enterprises - *Software Engineer*

January 2015 - August 2017

- Designed and implemented core components of an AngularJS web application, including HATEOAS link caching, session state & security using JWT's, routing infrastructure, and user-facing features

- Created Spring-based REST API service, designing endpoint versioning and custom error handling systems

EDUCATION

University of Pittsburgh - *Bachelor's Degree, Computer Engineering*

August 2010 - December 2014