

# NICK PETTAZZONI

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## TECHNICAL SKILLS

Languages: Javascript/Typescript, Python, Go, Java, PHP, SQL, HTML/CSS, Haskell, Ruby  
Frameworks: React, Angular, Alpine.js, Tailwind, htmx, jQuery, Selenium, Spring  
Tools: Docker, Nodejs, \*nix, git, Jenkins, Bazel, AWS, Webpack, Redis, MySQL

## WORK EXPERIENCE

AKAMAI TECHNOLOGIES, Cambridge, MA 2012 - 2024

SENIOR SOFTWARE ENGINEER II 2023 - 2024

- Created actionable designs from UX mockups in a cross-team effort with product architects and engineering for integration in existing UIs, then implemented the designs in Angular with Typescript
- Collaborated across roles and divisions through all stages of the SDLC to design, implement, test, and release a microservice-based application composed of Java backends, Angular frontends, Javascript running in-browser and on node, Python-based XML templating tools, other intermediate and orchestration services, which provides the configuration UI interfaces and APIs used by all Akamai delivery customers.

SENIOR SOFTWARE ENGINEER 2021 - 2023

- Led efforts exposing Akamai's delivery service products within the customer configuration application. Acted as SME to orchestrate change management, document and guide contributors through best practices, and maintain high standards of acceptability through code and design reviews
- As SME, facilitated work on and maintained the services that idempotently validate and translate customer input into valid configuration XML. A Javascript service that runs in real-time in the browser, on a Node server, and within a Java engine, and a Python service that uses dynamic templating to quickly and reliably translate an intermediate format to reproducible, safe XML in a custom Akamai markup language

SOFTWARE ENGINEER II 2019 - 2021

- Contributed on a multi-year project to deliver a highly-demanded customer feature, reshaping fundamental application architecture. Spearheaded the design and then implemented changes to core components
- Designed, developed, and implemented a service to scrape hundreds of thousands of customer configurations from a deprecated tool into static HTML using NodeJS and a Java backend. This directly affected and enabled the effort to shutter the old service

SOFTWARE ENGINEER 2014 - 2019

- Performed all duties of release management from deployment operations, cross-team and internal communications, git branching strategies, and scheduling. Developed and refined processes, growing the role for future hiring of a full-time release manager
- Triaged, debugged, and found resolutions to direct customer issues as point of contact for customer-facing Ops team

**QA ENGINEER** 2012 - 2014

- Built a Selenium test automation framework in Python allowing dev team to create and expand functional testing as easily as adding unit tests
- Created a shared tool to run Selenium automation on-demand across multiple environments using VMs and Docker containers
- Responsible for qualifying major releases and providing visibility into results reporting with custom built dashboards

**JUMPTAP, Cambridge, MA** 2012

**QA ENGINEER**

- Created, then executed manual and automated testing for new features and expanded regression suite

**HUBSPOT, Cambridge, MA** 2011 - 2012

**QA DEVELOPER**

- Developed a Python test automation framework for functional and unit testing, including reporting tools to view aggregated results and trends

**EMAIL DELIVERY ENGINEER**

- Developed automation to parse received spam reports and extract data to locate real sources of spam

**FREELANCE DESIGNER/DEVELOPER** 2002 - 2012

- Provided full-stack design and development for numerous clients
- Designed and built from scratch the front and back-end of a sales website handling thousands of orders per day
- Developed full API and backend for a fitness website and iOS app

**CO-OPS**

**CITY OF BOSTON, WEB TEAM DEVELOPER, Boston, MA** 2010

- Built Student Opportunities Exchange Portal in C#/ASP.NET, including API and administration portal for non-technical users

**FLIPKEY, INC, WEB DEVELOPER, Boston, MA** 2009

- Worked on site-wide upgrade to core PHP framework
- Created automated Selenium tests in Python

**ENDECA TECHNOLOGIES, IT APP DEVELOPER, Cambridge, MA** 2008

- Designed and implemented IT Project Tracker integrated tool

**EDUCATION**

**NORTHEASTERN UNIVERSITY, Boston, MA** 2006 – 2011

College of Computer and Information Science

REFERENCES AVAILABLE UPON REQUEST