

# O. J. Wilcox

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Software engineering professional with 20+ years of experience in software engineering. Enthusiastic about leading intelligent and creative teams to innovate and accomplish high-impact, mission-critical goals. Skilled at coordinating and mentoring individual contributors, modernizing legacy code, and eliminating toil from operational and development work.

## EXPERIENCE

**DataSnipper, UpLink Team - Senior Site Reliability Engineer (SRE)** Feb 2025 - Present

- Collaborated with the SRE team to migrate the UpLink application from AWS to Azure by coding reusable Terraform modules, developing end-to-end GitHub Actions CI/CD pipelines for frontend and backend, and building Azure Monitor dashboards and alerting.
- Initiated weekly knowledge transfer sessions with Amsterdam team Lead SRE to resolve inter-departmental communication challenges

**American Express - Enterprise Site Reliability Engineer & Senior Software Engineer II** Oct 2019 - Feb 2025

- Lead SRE on Services Tools team - specific services named Lestat, Notification Engine, Escalation Engine, Control-M Exporter (mainframe tool), and the Enterprise Automation Platform (100,000 automations per month and growing).
- Led Letstat rewrite using microservices including a RESTful API, Apache Kafka message queues, alerter, and React UI to monitor third-party API health status and report on SLA breaches.
- Set-up containerized projects from scratch byoi (bring-your-own-image) running on OpenShift Kubernetes and created/streamlined Github Actions YAMLS for 5 minute deployments.
- Solutions Architect for Automation Catalog, a Golang service with Couchbase backend and React UI for the Enterprise Automation Platform. Took 3 months from conception to production compared to teams taking 18-22 months per project.
- Built ZEUS from scratch in a 2-week sprint; a Flask Python application used to track High Availability Architecture application compliance with DART (chaos testing) and ECRU (OpenShift data views).
- Responsible for hiring and mentoring junior engineers, hosting knowledge transfer sessions, and writing documentation.

**Dycom Industries - Senior Software Engineer** May 2018 - Oct 2019

*Dycom is a telecom construction firm with 15K employees. Clients include AT&T, Verizon, and Comcast.*

- Developed multi-tiered cloud-native systems used by remote construction teams with limited internet connectivity. Built using Python, Node.js, Angular 6 - 8, Bash and Terraform for infrastructure-as-code development.
- Selected for a project to choose a managed Kubernetes platform, cloud governance policy, and diagram architecture.
- Build & release engineering for microservices apps built in Node.js, Flask REST API backend, Angular 7 & 8 UI, and RPC and pub/sub messaging with RabbitMQ implementation of AMQP.
- Mentored junior engineers, such as teaching how to write proper unit tests and how to set up monitoring tools.

**New Media Studios, LLC - Technical Co-founder** Jan 2014 - Sept 2022

*New Media Studios began as a video production company and pivoted to tech consulting services for video producers.*

- Provided web/mobile development and digital services for local businesses.

**Float Left Interactive - Software Engineer** May 2016 - Dec 2017

*Float Left Interactive developed smart TV apps for clients that included NBC Sports, ABC, Crackle, Ovation, and Viacom.*

- Led initiative to improve code quality and reduce development costs with a focus on promoting GitFlow, git submodules, pull-request code reviews, TDD, and continuous integration/delivery.
- Polyglot developer on Flicast flagship solution (quick-to-market OTT/TVE native apps) on Roku, Fire TV, Apple TV, Android, iOS, and smart TVs. Leveraged Brightscript, Java/Kotlin, Objective-C/Swift 4, JavaScript, and Python.

**Palm Beach State College - Programmer/Programming Tutor/Advisor** 2005 - 2015

- Designed, built, and tested features on mainframe transaction systems and Java web apps.
- Served as Lead Programming Tutor and Advisor to the school's Computer Club and New Media Club.

**Freelance - Software Developer/IT Support** 1998 - 2013

- Provided web development and IT services to local businesses. Leveraged Java, Javascript, PHP, Bash, Flash, Python.

## COMMUNITY

- **Coding Mentor**, Coding Coach (2019 - present) Mentor software engineers via email and Zoom.
- **Instructor & Mentor**, Learn to Code Palm Beach - Women's Code & Coffee (2019) Taught Perusing Python.
- **Chairperson**, Business Partnership Council Computer Science (2016 - 2021) Chaired a council focused on ensuring that PBSC's computer science curriculum prepares students for the realities of the tech industry.