

# NICHOLAS J. ALDWIN

## EDUCATION

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<b>Northeastern University</b> – Boston, MA	2010–2014
<i>Bachelor of Science in Computer Science – Class of 2014</i>	
Honors	4.0/4.0 GPA, National Merit Scholarship, Honors Program, Dean's List
Memberships	Association for Computing Machinery, Systems Coding Group ("crew")

## SPECIALTIES

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Languages	Kotlin, Java, Scala, Python, Terraform, POSIX Shell, JavaScript/TypeScript, SQL (& Postgres Tuning), HTML/CSS, Tailwind, React
Areas	Backend System Architecture, API Design, DB Tuning, Events Systems
Technologies	JVM, Kafka, TSDBs, Postgres, Docker, REST, GraphQL, IaC, Chat APIs
Passions	Infrastructure/Platforms, Systems Design, Dev Tooling, Documentation

## WORK EXPERIENCE

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<b>Thrive Global</b> – Boston, MA (remote)	2022–2025
<i>Senior Staff Software Engineer (L6)</i>	
<ul style="list-style-type: none"><li>· Rewrote legacy Slack and MS Teams apps, bringing the latest web user experience to chat</li><li>· Seamlessly migrated IDP data for all customers into a new centralized system with no loss</li><li>· Optimized Postgres across org: page loads dropped 76-&gt;0.067ms &amp; batch sends 5hr-&gt;9min</li><li>· Saved half-million-dollar contract; actively assisted on many client implementation calls</li></ul>	
<b>Teikametrics, LLC</b> – Boston, MA (remote)	2021–2022
<i>Staff Software Engineer</i>	
<ul style="list-style-type: none"><li>· Planned, built, and managed org-wide Kafka data backbone for events &amp; ETL pipelines</li><li>· Wrote and maintained libraries in four languages to interface with events bus &amp; platform</li><li>· Created and managed Terraform infra-as-code for organization's entire cloud footprint</li></ul>	
<b>Teikametrics, LLC</b> – Boston, MA	2018–2021
<i>Senior Software Engineer</i>	
<ul style="list-style-type: none"><li>· Vastly improved Postgres aggregations in high-volume (mil/sec) real-time bidding pipeline</li><li>· Ported legacy Rails ETL into new Scala and Spark systems with Snowflake integration</li></ul>	
<b>HubSpot, Inc.</b> – Cambridge, MA	2015–2018
<i>Senior Software Engineer</i>	
<ul style="list-style-type: none"><li>· Rewrote significant portions of server-side OAuth2 API to improve client usability</li><li>· Built backend &amp; content for complex automated email featured in conference keynote</li></ul>	
<b>HubSpot, Inc.</b> – Cambridge, MA	2014–2015
<i>Software Engineer</i>	
<ul style="list-style-type: none"><li>· Created centralized geodata correlation service serving 8bn sub-10ms responses/month</li><li>· Built scalable headless-browser-based crawler capable of millions of site crawls per day</li></ul>	
<b>HubSpot, Inc.</b> – Cambridge, MA	2012–2013
<i>Software Engineer (Co-op)</i>	
<b>Northwoods Software Corporation</b> – Nashua, NH	2009–2012
<i>Software Engineer (Intern)</i>	

## VOLUNTEER EXPERIENCE

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<b>Tutors for All</b> – Boston, MA	2011–2014
<i>Technology Coordinator</i>	

## PERSONAL PROJECTS

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Enviro Sensor System: Electronics + Backend + Events Pipeline + TSDB + Dashboards + UIs
Widely Used Typescript Library for Eleventy Static Generator
Self-Contained Fully Automated Gradle Library Template Publishing to Maven Central
<i>References will be furnished upon request</i>