Henry Darnell

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I'm a full-stack software engineer currently based in Northwest Arkansas. I'm interested in designing and implementing systems for cloud scale, being involved in the open source community (particularly the JavaScript/TypeScript community), and keeping up and learning on the bleeding edge of the web.

Technical Skills

Languages & Software: TypeScript, Node.js, Angular, C# .NET Core, React, Mongo, SQL Server
Tools: Azure, AWS, Docker, Kubernetes, Redis, RabbitMQ, Travis CI, CircleCI, serverless, NgRx, RxJS
Process: Agile, Scrum, Kanban

Experience

Firebend - Bentonville, AR
Developer II (September 2019 -- Present)
- Championed the breakout of monolithic application into domain-specific microservices hosted on Azure Kubernetes Service managed Kubernetes cluster, allowing teams to deploy faster (from daily to now 4-5x daily) and horizontally scale to meet load
- Rewrote core functionality as a platform to ease developer onboarding, including reusable libraries for persistence, user authentication libraries, etc.
- Made key architecture decisions such as how to separate platform companies securely, how to properly scale databases and infrastructure for a growing customer base, and how to generate documentation to get to market quickly
- Frequently used various Azure services (Kubernetes, API Management, Active Directory B2C, App Insights, Functions serverless, Azure DevOps)
- Control Tower - 700+ users use daily to track, book, and manage their shipments and warehouse containers. Angular/ C# .NET Core, MongoDB, MS SQL, Redis. Continuously deployed into managed Kubernetes cluster

SupplyPike - Fayetteville, AR
Full-Stack Software Engineer (January 2017 -- August 2019)
- Researched, implemented, and supported logistics solutions for CPG producers. Member of company culture collective, university recruitment and hiring team
- SaaS transportation system for brokers to book and track shipments - Angular, Node.js microservices, Kubernetes on AWS. JavaScript/TypeScript implementations, RabbitMQ, MongoDB with PostgreSQL reporting database, Redis, CI/CD with TravisCI and Shippable
- Designed, implemented and monitored improved metrics for Node.js PDF generator service deployed at production scale. Puppeteer, Node.js/TypeScript, unit/end-to-end testing, load monitoring via New Relic. Hosted in Kubernetes cluster with production workload

SupplyPike, CaseStack - Fayetteville, AR
Strategic Initiatives Engineering Intern (Summer 2016, January 2017)
- Research and develop MVP of product information repository, a product marketed directly to product suppliers and retailers. Angular 2/TypeScript and Material components

J.B. Hunt Transport - Lowell, AR
Information Systems Intern (Summer 2015)
- Wrote Java programs to prune expiring data from DB2 SQL at Fortune-500 scale

Education

Bachelor of Science in Computer Science, Minor in Mathematics, GPA: 3.7
May 2017, University of Arkansas, Fayetteville, AR