# Henry Darnell

hjdarnel@gmail.com (479) 409-3681 [darnell.io](darnell.io)
github.com/hjdarnel

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, and keeping up and learning on the bleeding edge of the web.

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

## Experience
**Firebend -** Bentonville, AR
Developer II (September 2019 -- Present)
- Full stack engineer responsible for designing, implementing, and supporting warehousing solutions for Fortune 1 clients. Experience with agile refinement, sprint planning, and iteration, tight integration with Azure DevOps for project management

- Assisted the breakout of monolithic application into multiple domain-specific microservices hosted on Azure Kubernetes Service managed Kubernetes cluster, allowing teams to deploy faster (daily to 4-5x daily)

- Control Tower - a web application written in Vue.js that our 700+ users use daily to track, book, and manage their shipments and warehouse containers. A C# .NET backend supports this application, with MongoDB, MS SQL, and Redis persistence, with SignalR for real-time updates. Continuously deployed into managed Kubernetes cluster

- Audit Platform - a web application written in Angular 8 that our customers use to build custom audits for their employees to use at warehouse ingress. Leverages a C# .NET backend with MongoDB for data persistence. Continuously deployed in Kubernetes cluster with dependent services

**SupplyPike -** Fayetteville, AR
Full-Stack Software Engineer (January 2017 -- August 2019)
- Member of 6-engineer product team architecting full stack (including devops), implementing, and supporting logistics solutions for CPG producers. Member of company culture collective, university and new-grad recruitment and hiring team

- TMS for brokers to book and track shipments - Frontend Angular, numerous backend Node.js microservices running via Kubernetes on AWS. JavaScript and TypeScript implementations, RabbitMQ service bus, MongoDB cloud-native storage, PostgreSQL reporting database, Redis caching, API design, HTML, Sass, CSS, continuous integration with Travis and Shippable

- PDF generator microservice - singlehandedly designed, implemented, and monitored usage of TypeScript service deployed at production scale. Uses Chromium's Puppeteer renderer, TypeScript, REST API design with schema validation, unit testing and end-to-end testing, and load monitoring via New Relic. Hosted in Kubernetes cluster with TMS production workload

- Prototype OTIF analysis tool - Analysis of combined retailer data via forecasting and charting. Created for sales demos with strict time constraints. React, HTML, CSS, hosted on Now lambdas

**SupplyPike, CaseStack -** Fayetteville, AR
Strategic Initiatives Engineering Intern (June -- September 2016, January 2017)
- Full-time embedded position with the New Product Development Team

- Initial exploratory work on product information repository, a product marketed directly to product suppliers and retailers. Self-taught Angular 2 with TypeScript and UI style kits

**J.B. Hunt Transport -** Lowell, AR
Information Systems Intern (June -- August 2015)
- Full-time work with the Intermodal dev team, supporting clients on location and remote. Wrote Java programs to prune expiring data from DB2 SQL at Fortune-500 scale.

**Technical Skills**
Node.js, Express, Koa, TypeScript, JavaScript, HTML/Sass/CSS, MongoDB, Docker, Travis, CircleCI, React, Kubernetes administration, PostgreSQL, unit, implementation, and E2E testing