Trevor Hartman

Software Engineer at Lab79

trevorhartman@gmail.com

Summary

Software engineer with nearly two decades experience crafting quality web apps. Very interested in making your life easier. I care deeply about wielding technology to build great products and experiences and strive to do exactly that at every layer of the stack.

Experience

Software Engineer at Lab79

January 2017 - Present

As the first engineer at Lab79 I built many foundational aspects of our infrastructure and services.

* Designed and created secure HIPAA-compliant cloud native infrastructure on Google Cloud Platform using Kubernetes (GKE), Helm, and Docker
* Designed declarative infrastructure as code with Terraform and continuously delivered infra changes in CI via test, plan, apply steps
* Secured traffic with TLS between endpoints of every service and infrastructure component using Vault
* Designed a continuous delivery pipeline on GitLab with autoscaling build containers on our GKE cluster to rapidly deliver code to cloud environments
* Developed a real time streaming solution using Onyx to populate ElasticSearch index with records from Datomic
* Contributed features to patient EHR application front end built on Om.next with ClojureScript and a Clojure back end
* Designed a powerful schema-agnostic Authorization solution to protect patient data
* Heavily utilized Clojure spec with Clojure 1.9.0-alpha17

Member of Technical Staff at eBay

September 2013 - February 2017 (3 years 6 months)

Software Engineer on Seller Insights:

* Lead front end development for the eBay Insights 2.0 tool
* Designed and implemented service client to integrate between front end and services
* Defined and documented team-wide engineering practices
* Designed and built distributed partitioning functionality using ZooKeeper and consistent hashing

* Designed and built realtime coordinated consumption of Kafka streams to support automatic failover, ensuring no messages were lost in a realtime ingestion pipeline
* Built Ansible automation to manage provisioning, deployment and maintenance of multiple 120-node clusters
* Continued evolving Yetibot to provide chatops for the team

Lead Site Reliability Engineer on New Product Division:

* Defined org-wide engineering practices, gathering and unifying feedback across the org
* Built a CI/CD pipeline with Docker and Kubernetes for 60+ engineers across various teams
* Built integration testing solutions to precisely measure latency inside K8S cluster
* Researching and helped define a modern tech stack
* Declaratively defined infrastructure and access policies via automation with Terraform
* Built solutions for distributed configuration, encrypted secrets, multi-zone/region deployments
* Promoted efficient, lightweight developer processes

Front End Tech Lead at Decide (acquired by eBay)
January 2011 - September 2013 (2 years 9 months)
* Developed initial front end of Decide.com, heavily utilizing Backbone.js for client-side interaction and rendering with shared client and server Mustache templates
* Continued ongoing maintenance and development of new features for Decide.com with a growing Front End team
* Lead migration of server-side code from legacy Java to Scala
* Lead refactoring efforts to reduce technical debt
* Lead migration of the Decide.com front end from legacy Spring-based web app to Rails with JRuby
* Helped build and maintain Scala API
* Extracted a Ruby API client into a gem from Rails web app
* Lead process around front end team regarding coding conventions, documenting systems, communication between developers, code reviews, and tech decisions

Freelance Developer
May 2005 - February 2011 (5 years 10 months)
Worked with Seattle and New York agencies as a freelancer to develop online experiences for clients including:

* The Coca-Cola Company

Developed an interactive front end for Coca-Cola's 2010 Annual Report using Flash / AS3. An XML feed was used to dynamically populate data points on an interactive map, company highlights, and videos of the executive team.

* International Trucking

Developed a truck customization tool for International's CXT model allowing users to pick paint colors for the truck, upload and position custom graphics, and export or email their design. C# with ASP.NET was used server-side to generate and export or email a JPG representation of the user's design.

* 3M

Built an online F&I tool in C# with ASP.NET that integrated with 3rd party F&I web services for car dealerships to walk customers through options to purchase aftermarket products from 3M.

Senior Interactive Developer at Copacino+Fujikado
February 2009 - December 2010 (1 year 11 months)
  * Rebuilt copacino.com with a Flash frontend on top of WordPress as a backend CMS
  * Researched and picked technologies to suit the needs of clients, including: Rails with BrowserCMS, WordPress, and ExpressionEngine
  * Developed high-quality modern web experiences on tight timelines using HTML5 and jQuery

Senior Interactive Developer at Hornall Anderson Design Works
March 2007 - February 2009 (2 years)
  * Developed a 3D interactive art kiosk for the Microsoft Visitor's Center using a touch-less interface (think Kinect before there was Kinect)
  * Developed a Windows desktop application in C# with WPF for CitationShares to allow their staff to schedule flights, specify passenger manifests, catering preferences, luggage, pets, billing information and hotel preferences integrated with their existing web services
  * Developed an online store experience with integrated shopping cart for Big Island Candies in ASP.NET with C#

Developer at Futura, Inc.
August 1999 - May 2005 (5 years 10 months)
  * Built and maintained an eCommerce platform using ASP.NET with C# on a SQL Server database allowing clients of Futura to sell their merchandise in a customized storefront
  * Built store management tools including reporting, storefront design, inventory management, and order fulfillment
  * Designed and maintained tables and stored procedures in SQL Server 2000
  * Built a database management tool in C# for non-technical staff to manage customer data
  * Built a flash-based T-shirt designer tool, allowing customers to upload art, pick colors, submit an order and export / email a JPG preview