

# Brandon M. Camenisch

## Contact

### Website

<https://brandoncamenisch.com>

## About

My affinity for computers started ~1995 when I wanted to make my own game mods as a kid using C. It wasn't long before I started getting involved with Linux, hacking hardware, writing code, and mostly having a good time. From then on I've been enveloped with computers and the nerd culture that comes along with it. Being an entrepreneurial adolescent, I wanted to start doing something professionally with technology so I made a business out of it and started consulting. Since I had such an early start, I've had many great opportunities to evolve and nurture my skills as well as become humbled by them through a more than few harrowing experiences. I'm very much a Linux enthusiast with a passion for all things security and a valid interest in cryptography. I've always thought that the learning was in the doing and that fuels my desire for trying out new pursuits that make me uncomfortable. I would also like to think that I approach problems with an open and honest opinion and can accept criticism or failure as an opportunity to grow. I look forward to working with people that maintain an open mind and aren't afraid to push the boundaries of technology to help make a positive impact. Below you'll find most of my work experience as well as a list of skills that I feel are relevant. I try to keep this information as up to date as possible with skills I'm actively using or haven't lost total track of.

## Profiles

### Github

[brandoncamenisch](#)

### Hackernews

[LatexNinja](#)

### Reddit

[mountaininja](#)

### Stackoverflow

[bmc](#)

### Twitter

[brandoncamenisc](#)

## Work

PMC is a digital media company with an impressive portfolio of publishing sites with a heavy usage of microservices to support those sites and company infrastructure.

## Highlights

- Advocated for and implemented 12 factor app methodology, immutability, automation/abstraction of workflows into our microservices architecture
- Architected, iterated and managed company IaC across multiple cloud providers using Terraform in automation via GitOps
- Autonomously identified weaknesses in our workflows and improved upon them
- Dominated integrations using Terraform with external services like Cloudflare, Fastly, Datadog, OpsGenie, GitHub, etc.
- Enabled team by advocating a self service approach in our CI/CD by incorporating modularity into our pipelines
- Established baseline CI/CD at the company defining end-to-end automated testing to the microservice application stacks
- Maintained self-hosted LMA & ELK stacks
- Management of microservice(s) automation and their internal networking via Terraform utilizing Rancher 1.0 on AWS
- Modularized existing monolithic, difficult to scale patterns into a lightweight re-usable architecture format
- Regularly met with customer/stakeholder(s) to maintain velocity of engineering team and strengthen overall DevOps culture

## PMC ( Penske Media Corporation )

2017-01-01 – 2018-01-01

### Senior Software Engineer

<http://pmc.com>

PMC is a digital media company with an impressive portfolio of publishing sites and a heavy usage of microservices to support those sites and company infrastructure

## Highlights

- Audited and executed automation of security best practices into our codebase
- Conducted numerous large scale data & content migrations making heavy usage of realtime database replication via data streams
- Implemented caching layers to increase overall performance
- Created tooling for abstracting customer data solutions using A/B testing, ad tech & analytics
- Integrated scalable modular codebase solutions into our existing infrastructure
- Orchestrated foundation for modularized automated testing workflows using Docker

## 10up

2016-01-01 – 2017-01-01

### Senior Engineering Manager

<https://10up.com>

Managed agency engineering team for Fortune 100 company projects. 10up is a high energy fast paced digital agency which caters solutions for big name brands.

## Highlights

- Accurately estimated out large complex projects for big name fortune 100 companies/clients
- Developed internal tooling for developer support using VirtualBox & docker
- Improved overall team efficiency and attitude(s) by empowering them with implementing tools, programming conventions, workflow improvements, and training
- Led engineering teams creating solutions for complex integrations and migrations
- Managed a successful team of engineers to deliver highly visible websites for fortune 100 companies
- Met with customers and vendors to ensure project(s) met technical and budget constraints
- Provided weekly 1:1 training and mentorship to a large team of engineers

## 10up

2014-01-01 – 2016-01-01

### Senior software engineer

<https://10up.com>

Finely crafting websites & tools for content creators.

### Highlights

- Contributed to WordPress core and other open source projects used throughout the WordPress community
- Developed custom content syncing software for managing content across many sites
- Horizontally scaled WordPress on AWS by offloading media and task execution on high traffic sites
- Regularly audited codebase(s) for security and best practices
- Triaged data sources from various services using REST api and GraphQL to supplement content creation driven by data

## Volume Nine

2014-01-01 – 2015-01-01

### Senior software engineer

<https://www.v9digital.com/>

Volume Nine is Denver's top digital marketing agency, specializing in content, SEO, and social media. Build Brand. Drive Traffic. Grow Sales.

### Highlights

- Developed against large dataset(s) of marketing data with heavy usage of MySQL database and google analytics platform
- Strategized marketing/seo campaigns for client sites from a technical perspective
- Worked on early stage development/testing of SkyWord solution for WordPress

## QRlicious

2013-01-01 – 2014-01-01

### Senior software engineer

QRlicious is a mobile marketing company offering a platform for users to manage and build QR codes, mobile websites, coupons, and more.

### Highlights

- Hand built a WordPress framework from the ground up using DRY & semantic approach
- Programmatically generated QR codes with custom built SVG tool(s) HTML5 canvas and RaphaëlJS
- Embraced mobile marketing microsites trend by building a SaaS product site building tool on Rails
- Engineered custom REST based APIs

- Integrated with various payment gateway systems for e-comm using Stripe, PayPal, Authorize.net and others

## Concept Bakery

2012-01-01 – 2013-01-01

### Senior software engineer & Graphic design

Social media story development and telling: guerrilla & cross-media marketing. WOM on Facebook, YouTube, microsites, etc. You name it - been there done that :)

### Highlights

- Solely developed ruby on rails custom CMS application to create SaaS product based on microsites and Facebook pages
- e-commerce sales pipeline with integration of social media data of consumers
- Campaigned on social media to market customer products
- Frontend and graphic design heavy position creating marketing campaigns

## Nerdatory

2006-01-01 – 2012-01-01

### Consultant

Consulting firm specializing in architecture, security and best practices of software development.

### Highlights

- Provided strategic engineering consulting to startups
- Demonstrated how to predict growth and scale a product without hitting a wall in the process
- Conducted in-depth security audits for clients identifying weaknesses in their corporate IT structure
- Collaborated with team of engineers to architect and reconstruct their SaaS product from the ground up
- Mentored teams in software life cycle processes using TDD, CI, code reviews, security conventions, and engineering best practices

## Silverve Interactive

2002-01-01 – 2000-01-01

### Founder

Full service multimedia/interactive web content production company. Hand made interactive content solutions for education, games, entertainment and business training.

### Highlights

- Consulted customers on business strategy of their content to encourage end user engagement
- Developed and marketed plug n' play javascript modules for mass consumers to sell online
- Heavily coded robust multimedia content in actionscript
- Provided unique content including but not limited to text, photographs, and graphic design for customers
- Retained customer loyalty through excellent service and ongoing maintenance agreements

## Martial Arts Camp

2006-01-01 – 2008-01-01

### Founder/Trainer

Intensive live in martial arts training camp in the Colorado Rockies.

### Highlights

- Concepted curriculum for intensive full immersion martial arts & security training camp
- Developed website and unique branding content ( text, photo, video, seo, marketing, etc. ) for entire organization
- Exhaustively studied technical material and improved upon existing systems to produce the highest quality training we could
- Led and mentored groups to maximize their potential both as individuals and as a teams
- Trained students in curriculum physically and mentally
- Taught skills such as tactical knife fighting, lock picking, escape & evasion, stealth and more

## U.S. Navy

2002-01-01 – 2006-01-01

### Quartermaster

The United States Navy is the naval warfare service branch of the United States Armed Forces and one of the eight uniformed services of the United States.

### Highlights

- Awarded commendation by captain of U.S.S Nimitz for excellent performance and honorable service to division
- Entrusted with top secret security intelligence information critical to operational success while underway hostile zones
- Personally corrected over 5k navigational charts covering the globe and used for navigation in westpac operations
- Piloted aircraft carrier U.S.S Nimitz through operation Iraqi Freedom during two westpac operations
- Spent over 1000 hours providing navigational expertise by both traditional ( celestial ) and modern methods to bridge officers and crew

## Stuff-It Storage

1995-01-01 – 2002-01-01

### Self Storage Assistant

Storage unit facility

### Highlights

- Drove large truck/trailer loads of 'stuff' to auctions
- Inventoried and managed large lists of items to be sold at auctions
- Investigated cost research/analysis of items
- Maintained customer relations involving billing, theft, or property damage
- Patrolled two locations of business premises for suspicious activity and break-ins

## Best seamless rain gutters

1999-01-01 – 2002-01-01

### Gutter Installer

Seamless rain gutters company that served the front range of Colorado

### Highlights

- Estimated jobs from small houses to large residential or industrial properties and assessing risk
- Placed inventory cost replenishment orders for materials and crew

- Repaired leaking or damaged product
- Serviced seamless gutter tools & equipment critical to operation such as downspout machines, trucks, saws, and other tools
- Year round service to contracting and private builders

## Brandons Pantry

2000-01-01 – 2001-01-01

### Clerk/Manager

Convenience store in recreational area of the Colorado Rocky Mountains

### Highlights

- Attended trade shows to promote business and develop relationships with vendors
- Identified and explored potential areas of profit by monitoring daily operations
- Inventoried product and kept track of finances
- Provided customer information in regards to travel and tourism in the area
- Self branded and started convenience store in recreational area

## Indian Meadows

2000-01-01 – 2002-01-01

### Assistant Manager

Rustic recreational resort in the Poudre Canyon of the Colorado Rocky Mountains

### Highlights

- Cleaned and maintained a cluster of recreational cabins for camping tourists
- Developed customized hotel booking software to manage reservations, events, billing and other daily business
- Kept inventory and vendor relationships with wholesalers
- Maintained property grounds i.e. landscaping, repairs, and other maintenance type work
- Planned and catered events such as weddings, family reunions, business summits and other group events

## Motor Vessel ENDEAVOUR

1997-01-01 – 2000-01-01

### Navigation, Engineering, Deckhand

U.S.S. Endeavour was a 70ft. 69 ton Ocean adventure trawling vessel.

### Highlights

- Chipped, grinded, painted & other laborious tasks to keep the vessel in working order
- Commandeered the 69ton Naval engineered trawling motor vessel through the open seas of the Western hemisphere and the international waterways of the southern United States
- Diligently held the comm while underway to ensure safe passage on voyages
- Maintained & calibrated sea faring equipment critical to the safe navigation of the vessel
- Repaired and maintained engines, generators, desalination systems, auxillary solar power systems, & other marine equipment

## Skills

## Automation Tools

- Ansible
- Boto
- Chef
- CircleCI
- Drone CI
- Gradle
- Jenkins
- Puppet
- Spinnaker
- Terraform
- Travis

## Cloud providers

- AWS
- GKE
- Heroku

## Code

- bash
- c
- elixir
- erlang
- go
- javascript
- lua
- node
- php
- python
- ruby
- sh

## Datastores

- BigQuery
- CouchDB
- Kafka
- MongoDB
- Memcache(d)
- MySQL
- Postgres
- Redis
- RDS

## LMA ( Logging, Monitoring, & Alerting )

- AWS
- ELK
- Grafana
- InfluxDB
- Loggly
- LogRhythm
- Nagios
- Opsgenie
- PagerDuty
- Pingdom
- Prometheus
- Sensus
- ServiceNow
- Slack
- Splunk

## Methodologies

- 12Factor
- Agile
- Automation
- BDD
- CI/CD
- DAST
- DRY
- GitOps
- IaC
- Immutability
- KanBan
- Machine learning
- Networking
- OOP
- Polymorphism
- REST
- SAST
- SCRUM
- Scalability
- TDD
- K.I.S.S

## Security

- Kali Linux
- Applied Cryptography
- Black Arch



- Intrusion detection
- Metasploit
- Nessus
- Nikto
- Security Onion

## Systems & Servers

- \*nix
- Apache
- Caddy
- Docker
- Nginx
- Kubernetes

## Interests

- blockchain
- cryptography
- cybersecurity
- freeskating
- hacking
- hiking
- linux
- longboarding
- snowboarding
- travel
- yoga