Kevin Carmona-Murphy

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Full Stack Senior Software Engineer with over **10 years** of professional experience writing high-quality software that is well tested and documented. Language agnostic & clear communicator within and across teams.

KEY TECHNOLOGIES

Languages	Frontend Frameworks	Backend Frameworks
Javascript/Typescript (HTML5, CSS)	**React** (Redux, Zustand, Tanstack Query), **Ant Design, Material UI**	**Django** (DRF, Debug Toolbar, Forms), **FastAPI, Flask**
Python, Ruby, PHP, Node.js	**Ember.js, Tailwind.css**	**Ruby on Rails** (jsonapi-resources, FactoryBot)
Golang (learning), **Swift** (learning), **.NET** (C#), **OpenEdge ABL**	**Next.js** (learning)	

Databases, Queues, Search	DevOps & CI/CD	Automated Testing
MySQL, PostgreSQL, MongoDB, Neo4j (graph DB)	**Git, Docker, Proxmox** (homelab), **Tailscale**	**Pytest, RSpec, BDD & TDD**
Redis, Firebase, Rabbit MQ	**Fastly, Cloud Build, Jenkins**	**Jest, React Testing Library, Ember tests**
Elasticsearch (Kibana)	**Terraform** (learning), **Kubernetes** (learning)	**Cypress, Playwright, Selenium**

Observability & Feature Flagging	Cloud Providers	Artificial Intelligence (AI)
Elasticsearch APM, LaunchDarkly	**Google Cloud** (GCP)	**Github Copilot, Gemini**
Grafana (learning)	**Amazon Web Services** (AWS)	**Ollama local LLMs, Huggingface** (learning)

FULL-TIME EXPERIENCE

Citylitics, Toronto — Senior Full Stack Developer
May 2022 - January 2026 (4 years)

Tech used: AI LLMs, React + Typescript, React Query, Django, Python, MySQL, Ant Design, GenAI, Google Cloud (GCP), Jest, pytest, Reacting Testing Library, CI/CD, LaunchDarkly, Terraform, Elasticsearch, Cloud Tasks, Playwright, Mailchimp

– **Architected** a **scalable automated** email scheduling and delivery feature end to end, leveraging **GCP Cloud Tasks/Scheduler** to **eliminate manual** preparation and sending of 100s of **personalized emails**
– **Collaborated** with PMs and CTO to gather **requirements, scope + sequence** tickets and write **technical documentation** for features which streamlined internal workflows and boosted platform engagement
– **Leveraged generative AI** and **LLMs** for **summarization** and **content generation** features that reduced friction and allowed our customers to more easily win new business (B2B force multiplier)
– **Reduced infrastructure spend** and improved **API performance** by **80x** through strategic **query** and **serializer optimization** of paginated datasets, effectively scaling system capacity without increasing server footprint
– **Interviewed** candidates for **technical ability + culture fit** and **mentored** new hires during onboarding
– **Fostered** coding **best practices** via technical demos, **rigorous documentation** and consistent **automated testing**

Financeit, Toronto — Intermediate Full Stack Developer
JUNE 2019 - MAY 2022 (3 years)

Tech used: Rails, Tailwind, Ember.js, Sisense REST API, RSpec, Gitlab & AWS CI/CD, codemods, i18n en français

- **Delivered** end-to-end features for two core lines of business; transitioning a legacy **PHP** lead gen system to a greenfield **Rails + Ember.js** rebuild and scaling a POS financing platform to support increased transaction volume
- **Boosted developer velocity** by engineering a **reusable** and **accessible** component library; integrated automated unit testing and interactive **Storybook-like** documentation to **reduce redundant** UI development
- **Implemented RBAC** for customer email drips by leveraging the **Sisense REST API**

FreshBooks, Toronto — Full Stack Marketing Developer
JUNE 2016 - MAY 2018 (2 years)

Tech used: Statamic CMS, Python, Wordpress, RabbitMQ, Ember.js, Fastly, PHP, Docker, Flask, Jenkins, G-Analytics, Capybara

- **Accelerated time-to-market** by 2+ months by architecting a **phased migration strategy**; utilized **Fastly** custom VCL to seamlessly route traffic between legacy **CMS** and new **hosted WordPress** environments
- **Optimized** high-volume **data ingestion** using **Python** and **REST APIs**, successfully synchronizing millions of records into a **MySQL** database for long-term **archival** and audit readiness
- **Dockerized** bare-metal development environment to reduce dev **onboarding** time by a day
- **Parsed** analytics events in firehose **RabbitMQ** logs to support email campaign initiatives for mobile users

FORMAL EDUCATION

B. Eng - Software Engineering & Management
McMaster University, Hamilton, SEPTEMBER 2010 - JUNE 2016

SHORTER ENGAGEMENTS

Tucows	FreshBooks	Dundee Capital	Mejuri Fine	Strategic Info
(Rails + Node.js)	**(Rehired after**	**Markets**	**Jewelry**	**Tech**
6 MONTHS,	**graduation)**	**(.NET MVC)**	**(Rails)**	**(Bank Sfwr, 4GL)**
2018-2019	4 MONTHS, 2015	4 MONTHS, 2014	3 MONTHS, 2013	4 MONTHS, 2012

KEY CODING PROJECTS

Proxmox Homelab	**Vaccine certificate resizer**	**Agile Estimation Tool**
(HomeAssistant + Frigate)	**(PDF.js, js modules)**	**(Google Firebase)**
Flat-file Photo Gallery	**MultiTranslator App**	**Blue Jays Traffic Collisions**
(exiftool, ImageMagick, Neo4j)	**(Angular.js, REST API)**	**(Jupyter Notebook, pandas)**

CERTIFICATIONS

AWS Certified Solutions Architect - Associate	**Data Science (Big Data, Statistics, ML, AI)**	**Test Driven Development**
Completion aimed for MARCH 2026	UofT Continuing Studies	CodeCademy Pro
(S3, EC2, VPC, EKS, Lambda, Route53, IAM, CloudFront etc)	FEBRUARY 2020	OCTOBER 2018
	(pandas, numpy, Scala, python)	**(Mocha & Chai unit tests)**