
EMPLOYMENT

Senior Software Engineer	Sway AI	Spring 2024 – Present
<ul style="list-style-type: none">Engineered intuitive prompt studio tools enabling dynamic prompt generation and fine-tuning for internal and customer-facing LLM applications.Led the technical design and documentation of pivot table widget features, coordinating front-end, back-end, and microservices tasks to ensure cohesive implementation.Developed and optimized Retrieval-Augmented Generation (RAG) systems, integrating LLaMA models via LangChain and FastAPI, enhancing AI-driven data querying capabilities.Implemented advanced PySpark analytics workflows, including quantile analysis and winsorization techniques to effectively manage outliers in large datasets.Designed and deployed MongoDB aggregation pipelines, including complex data bucketing and pivot operations, streamlining data transformation processes.		
Lead Software Engineer	OANDA Corporation	Spring 2020 – Winter 2024
<ul style="list-style-type: none">Managed remote engineering team of 6, delivering scalable web solutions generating 35M monthly visits.Led the redevelopment of the currency converter web app, achieving 500K daily visits through React, Flask microservices, and GKE.Enhanced productivity by internally deploying six React data-visualization applications, cutting annual IT costs by \$400K.Cultivated team growth by mentoring engineers, resulting in promotions and higher team satisfaction.		
Software Engineer	Hostpapa	Spring 2018 – Spring 2020
<ul style="list-style-type: none">Integrated AliPay into Ubersmith billing to facilitate acquisition of company with 1500 active customers.Encouraged 15% of customer service renewal by incorporating PayPal's recurring billing agreement.		
Sr Full-Stack Software Engineer	Yektanet	Spring 2016 – Spring 2018
<ul style="list-style-type: none">Co-created Iran's largest online ad platform by conceptualizing a highly-available, load-balancing front-end app. Accompanied by a suite of Python Django apps including a big-data analytics app and 3 dashboards for advertisers, publishers, and business engineers.Responsible for gathering system requirements, designing, and developing 2 full-stack web applications.Improved blog website's page load speed by 45% by producing specialized WordPress plugins and themes using methods like lazy-loading and responsive images.		
Software Engineer	Bamilo	Summers 2015 – Spring 2016
<ul style="list-style-type: none">Automated 5 data streams to centralize business data by querying 2 DBs and crawling 3 dashboards.Visualized E-commerce analytic data, and allowed scheduling data stream jobs by creating a Laravel app.		
Jr Full-Stack Software Engineer	Pordo	Winter 2013 – Summer 2015
<ul style="list-style-type: none">Customized 20+ CodeIgniter (PHP) CMS instances, front-end and dashboard, tailored to customers' needs.		

EDUCATION

St Catharines, ON	Brock University	Fall 2017 – Winter 2019
<ul style="list-style-type: none">M.S.E. in Computer Science. Thesis: AI-generated Quests for RPG games Using Genetic Programming		

LANGUAGES AND TECHNOLOGIES

- Python; Django; MongoDB; React; NextJS; PySpark; GCP; KinD; Helm charts; Terraform; Kubernetes
- LangChain; Docker; CircleCI; ArgoCD; Cloudflare; TestCafe e2e; Postgres SQL; SASS; TailwindCSS; Redis