

Nathan Perfetti

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Experienced engineering professional building high-quality software for excellent digital products

TECHNICAL SKILLS

Python, Django, PHP, .NET, Typescript, NodeJS, Angular, React, PostgreSQL, MySQL, MongoDB, AWS, LLMs, Docker, DevOps

PROFESSIONAL EXPERIENCE

Oct 2024 - Present

Lead Software Engineer, [Onsetto Inc.](#), St. Louis Park MN

- Architected Django admin panels and DRF RESTful backend services with Sentry observability
- Manage and deploy AWS infrastructure (RDS, S3, Lambda, EC2, EKS, CloudWatch, Cloudtrail)
- Coordinate with Product and QA team to prepare user scenarios and meet testing standards
- Optimized CI/CD with GitHub Actions and Terraform, reducing image push time to ECR
- Built 3rd-party fintech integrations with Stripe, Plaid, and [Helix digital banking API](#)
- Released a React Native mobile app to iOS App Store and Android Google Play, serving 1k MAU
- Developed an AWS Bedrock LLM parser and chat to process financial documents and contracts

Jan 2025 - Mar 2025

Technical Consultant, [360Capture Inc.](#), Remote

- Supported and optimized the 360Capture Swift/React Native iOS 3D-capture app for digital-twin workflows
- Maintained AWS processing path (queues/workers, S3 lifecycle) improving throughput and cost
- Enhanced React/Node.js Web Portal (RBAC, filtering, previews, audit logs) for faster job-site scan review
- Extended Node.js REST API and integrated [Bentley Systems](#) (rate-limit handling, webhooks, OpenAPI docs)
- Prepared for acquisition by [CS Tech AI \(Ceinsys\)](#): consolidated DNS/certs, standardized IAM/logging/alerts

Sept 2022 - Oct 2024

Software Engineer II, [TravelNet Solutions Inc.](#), Cottage Grove MN

- Composed frontends with Angular, Jest, and Playwright for visual regression testing
- Wrote well-tested PHP with Zend framework and phpunit for core RESTful API services
- Built and configure travel booking Wordpress websites per client's SOW and branding guidelines
- Deployed containerized AWS infrastructure including on EC2, Lambda, Bastion Host
- Managed AWS storage and monitoring solutions including RDS, S3, and Cloudwatch
- Contributed to application repositories via Github, and provide peer code reviews
- Coordinated with the QA team to estimate features and meet quality testing standards

March 2022 - Sept 2022

Senior Software Developer, [Compoze Labs](#), Minneapolis MN

- Partnered end-to-end with clients to scope SOWs, shipped and iterated custom software solutions
- Built React/TypeScript components with Jest/Playwright, Shopify Liquid components
- Developed AWS Lambda/API Gateway and Azure App Service APIs with OpenAPI documentation
- Owned CI/CD and E2E integrations (GitHub Actions, Azure DevOps, Playwright)
- Delivered .NET MAUI kiosk for [Airfield Supply](#) (EF Core, Service Bus, App Service, Treez/Magento/OnFleet)
- Shipped [kiosk-based POS](#) for medical patients ([check-in](#), [peripherals](#), [kiosk mode](#), [receipt printing](#))
- Launched compost pickup e-commerce for [Ramsey/Washington counties](#) (React, serverless orders, geofencing rollout)

Oct 2018 - Oct 2023

Full Stack Web Development Instructor, University of MN CCAPS, St. Paul MN

- Instruct Bootcamps on MERN stack technologies (NodeJS, React, MySQL, MongoDB, GraphQL, Git/Github)
- Guide students on modern software engineering best practices for design and testing
- Grade and provide feedback on students' assignments and collaborative projects

Feb 2021 - March 2022

Web Developer, Lyons Trading Co. dba Proozy, St. Paul MN

- Manage and extend Shopify Plus Liquid codebase and 3rd party integrations of [Proozy.com](https://proozy.com)
- Composed custom HTML, CSS, and JS for weekly site specials, promotions, and new features
- Implemented local-area-based curbside pickup & scheduling system using Geolocation Browser API
- Overhauled store data architecture, enabling product searches using GraphQL and Node JS
- Built [Crossfit Eagan](https://crossfit-eagan.com) training facility WordPress site, with automated WOD posting and IG integration

ACTIVITIES & PROJECT

May 2014 - Sept 2014

Research Assistant, Howard Hughes Medical Institute (HHMI) Summer Research Program

- Completed Collaborative Institutional Training Initiative (CITI) coursework on research ethics
- Attended group discussions and professional development seminars with fellow student researchers
- Project presentation: <https://goo.gl/SPw2zx>

EDUCATION

Graduated Aug 2018

University of Minnesota, College of Continuing Education and Professional Studies

Full Stack Web Development Certificate

University of Minnesota Morris, College of Liberal Arts

Major: Statistics