Nathan Perfetti

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GitHub: github.com/perfettiful | YouTube: @perfetti_codes | Portfolio: nathanperfetti.dev

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 <u>Bentley Systems</u> (rate-limit handling, webhooks, OpenAPI docs)
- Prepared for acquisition by <u>CS Tech AI (Ceinsys)</u>: 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, Fargate
- 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

- Partner with clients from inception to implementation and deployment of custom web applications
- Build reusable and testable front-end components using React, TypeScript, Jest, Shopify Liquid, etc.
- Construct and consume APIs hosted and scaled using AWS Lambda and API Gateway
- Collaborate with a team of developers to ensure software quality using E2E testing within a CI/CD pipeline
- Implemented a <u>self-service retail POS platform</u>, see the <u>case study linked here</u>
- Implemented a <u>Compost Pickup supply e-commerce application</u> for Ramsey/Washington counties

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 <u>Proozy.com</u>
- 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 <u>Crossfit Eagan</u> 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 <u>Full Stack Web Development Certificate</u>

University of Minnesota Morris, College of Liberal Arts

Major: Statistics