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
Software Engineer Lead, 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

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

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

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 self-service retail POS platform, see the case study linked here
— Implemented a Compost Pickup supply e-commerce application for Ramsey/Washington counties

Feb 2021 - March 2022
Web Developer & Designer, Lyons Trading Co. dba Proozy, St. Paul MN
   — Manage and extend Shopify Plus Liquid codebase and 3rd party integrations of 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 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