Stephen R. Pearce

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Full-Stack Lead/Javascript Developer

Technical lead and full-stack developer with 15+ years experience in single page apps, highly scalable backends and modernization and replacement of legacy systems

Technical Skills

Languages	Javascript, TypeScript, PHP, C#, VB.NET, Java
Frontend	HTML, CSS, React web/Native, Redux, styled-components, Sass, jQuery, Bootstrap, WebSockets, AJAX
Backend	Node.js, Express.js, Redis, Contentful, Socket.IO, MySQL, GraphQL/Apollo, RESTful APIs
Tools	Webpack, Jest, React Testing Library, Enzyme, Babel, ESLint, npm/Yarn, Grunt, Git, JIRA, Confluence
Infrastructure	Nginx, GCP/GKE, OpenShift, Docker, GitHub Actions

Professional Experience

Aug. 2017 - Jan. 2024
Toronto, ON

TELUS Digital
Technical Lead (2.5 years)

- Directed development team processes around pull requests, code reviews, coding standards, application releases
- Worked with product owners, stakeholders and management to analyze technical asks and set expectations for deliverables
- Assisted developers and QA with technical and process questions
- Documented feature requests and change requests
- Interviewed and assessed candidates for technical/business roles
- Performed architectural analysis for new and existing applications
- Represented the team in discussions with external stakeholders
- Managed improved unit test coverage for new and existing code
- Mentored junior developers and assisted with onboarding
- Provided coaching and feedback for developers for performance and areas of improvement
- Contributed to code through continued development efforts
- Resolved build and pipeline issues to allow for continuous deployments
- Facilitated handover and further development of a vendor written React Native application to replace existing iOS/Android apps

Senior Full-Stack Developer (4 years)

- Planned, estimated, documented and lead technical changes for business marketing and mobility e-commerce web applications
- Implemented and maintained various UI components in React with supporting libraries, design system and CMS content and structure
- Added and maintained unit tests for code coverage and regression testing of all application logic with Jest and Enzyme
- Optimized web applications for desktop and mobile performance and search engine discoverability and indexing (SEO)
- Integrated and maintained RESTful and GraphQL APIs hosted with Node.js and Express
- Maintained build processes and configurations using Webpack, Docker, Node.js and npm
- Handled testing, deployment, hosting and library publishing with OpenShift, Jenkins, Docker and GitHub Actions
- Co-development automated end to end (E2E) tests with QA testers
- Performed and participated in peer code reviews
- Provided technical analysis and content management training for product, management, content teams and business stakeholders

Sep. 2009 - Aug. 2017
Toronto, ON

Ruby
Technical Lead (3 years)

- Planned, documented, estimated tasks for and supported a development team of 3 frontend developers
- Documented developer environment onboarding processes and development reference material
- Coordinated with management, QA, product and design teams to prepare high-level business requirements for development

Sr. Javascript Developer (1.5 years)

- Designed and developed single page social network web applications using Backbone.js and React to replace legacy sites
- Integrated with new and existing RESTful APIs from legacy PHP site
- Optimized web app for mobile devices with profiling, code splitting, route-based dynamic asset retrieval
- Added purchase flow integrated with payment backend service
- Implemented Node.js-based build systems to test, validate, compile, minify and package Javascript-based web apps
- Added frontend multilanguage support and integrated with existing translation system

DevOps Engineer (1 year)

- Designed and implemented a role-based Linux server provisioning system for database, application, web servers using Puppet, VirtualBox
- Assisted developers and operations team migrating from manual/Vagrant environment to automated builds and provisioning

.NET Developer (2.5 years)

- Refactored and modernized a legacy social network web application

from .NET 1.1 to .NET 4.0 with LINQ, Entity Framework, master pages
- Modernized outdated, inconsistently styled pages to modern design
- Implemented a payment service integrating with multiple payment gateways
- Implemented automated video transcoding service with user management UI and player to replace plugin-based video streaming
- Added single page app messaging frontend to replace legacy postback (server rendered) pages
- Planned and performed large scale data migration from sub-optimal to properly normalized database structure in SQL Server

Sep. 2006 - Feb. 2009 Toronto, ON	Infusion Development **Software Developer/Consultant (2.5 years)**

- Performed scoping, analysis, design, testing, implementation, deployment and support of geospatial applications for various clients including: Microsoft, BMO, Amazon, ConocoPhillips, Re/Max (O-A), Yellow Pages Group, First American, American Express, U.S. Air Force
- Developed client web applications and services using C#, VB.NET, ASP.NET, WCF, Javascript, Java, HTML, CSS and PHP
- Employed and supported Microsoft mapping technologies including Virtual Earth (now Bing Maps) and MapPoint Web Service (SOAP)
- Designed and developed custom map generation tools with aerial photography, street map and business-specific imagery overlays
- Managed developer support and project teams of 3-5 developers and technical support engineers

Education

Graduated 2006 Kitchener, ON	**Computer Programmer/Analyst (Diploma)** Conestoga College