



Sean Dinwiddie Full-Stack Software Engineer

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PROFESSIONAL SUMMARY

Innovative Full-Stack Software Engineer with over 20 years of experience in web and software architecture and development. Specializing in creating scalable, user-centric digital solutions using cutting-edge technologies. Proven track record of leveraging state management techniques and functional programming architecture to drive application performance and enhance developer experiences. React Native and Redux Toolkit expert. Experienced in Laravel and Express.js.

TECHNICAL SKILLS

FULL STACK DEVELOPMENT

React.js, React Native, Next.js, Redux Toolkit, RTK Query, TypeScript, JavaScript (ES6+), Bootstrap, Tailwind CSS, Node.js, Express.js, Laravel, RESTful APIs, PostgreSQL, Python, Django, PHP, C++, Ruby, Go, Haskell, Java, SQL, MongoDB, GraphQL, HTML/HTML5, CSS/CSS3

TOOLS & METHODOLOGIES

Git, Webpack, Turborepo, Jest, Cucumber, ESLint, Containerization, CI/CD, Cloud Architecture, Agile Methodologies, Test-Driven Development, Business-Driven Development

SYSTEMS PROGRAMMING

Desktop (Windows, macOS, Linux) Development, iOS Development, Android Development

WORK EXPERIENCE

Full Stack Developer

Redding Webmaster | April 2019 - Present (4 YRS)

- Integrated Redux Toolkit for state management, reducing frontend bugs by 60% and improving development efficiency
- Re-architected a scalable member portal, resulting in a 40% increase in user engagement and a 25% reduction in support tickets
- Created an intuitive custom analytics dashboard designed specifically for executive-level insights, enhancing overall decision-making efficiency by 35% and enabling teams to respond faster to market changes as measured in project timelines
- Optimized database schemas, reducing query times by 50% and improving overall application performance
- Engineered RESTful APIs that increased third-party integrations, expanding the platform's ecosystem
- Led a team of developers in adopting Agile methodologies, increasing sprint velocity
- Leveraged data science and machine learning to drive business insights
- Facilitated cross-functional team meetings to enhance communication and collaboration, leading to a 30% increase in project delivery speed
- Identified and resolved critical performance bottlenecks, enhancing application speed and reliability

Technologies: React, Redux, TypeScript, Node.js, PHP, Laravel, PostgreSQL, AWS



Full Stack Developer

ENPLAN | October 2018 - March 2019 (6 MOS)

- Designed and constructed custom applications for geospatial data visualization, increasing client map interaction by 200%
- Optimized the backend using Django, which decreased page load times, enabling a smoother user experience and allowing real-time data updates

- Communicated complex technical concepts to non-technical stakeholders, improving project understanding and alignment
- Resolved data integration issues, ensuring seamless data flow between systems

Technologies: Python, Django, PostgreSQL, GIS



Web Developer

Shasta.com | November 2017 - August 2018 (9 MOS)

- Spearheaded the migration of legacy applications to modern architecture, improving site performance
- Incorporated responsive design principles, increasing mobile user engagement by 45%
- Engineered PHP applications for the service industry
- Analyzed and solved cross-browser compatibility issues, enhancing user experience across platforms
- Developed responsive web applications using modern front-end frameworks
- Utilized .NET frameworks for development
- PHP WordPress plugins developed for custom website functionality

Technologies: PHP, WordPress, .NET, HTML5, CSS3



Web Developer

Optimize Worldwide | July 2016 - August 2017 (1 YR)

- Crafted responsive web applications using modern front-end frameworks
- Led a team of developers to ensure project completion and quality
- Developed custom WordPress plugins using PHP, including an e-commerce integration plugin that increased online sales by 35% and a content management plugin that reduced editorial workflow time by 25%
- Effectively translated technical concepts into clear language, maintaining project scope and improving collaboration

Technologies: PHP, WordPress, JavaScript, HTML5, CSS3

Full Stack Developer

Veritas Health Systems | July 2011 - October 2014 (3 YRS)

- Architected scenario forecasting tools that optimized patient flow and onboarding
- Programmed plan sales tools that increased plan sales by 20%
- Created PHP SPAs for insurance companies
- Native app development for iOS and Android
- Developed patient management systems that streamlined operations, reducing administrative workload
- Implemented secure data handling practices, ensuring 100% HIPAA compliance
- Engineered custom analytics dashboards that improved decision-making efficiency for key stakeholders
- Crafted custom applications for the healthcare industry
- Accounting management systems engineered to reduce manual data entry and improve accuracy

Technologies: JavaScript, PHP, iOS, Android, MySQL



Game Developer

n-Space | May 2008 - January 2009 (8 MOS)

- Built custom applications for the entertainment industry

Technologies: C++, DirectX, Game Development Tools



Game Developer

Semi Logic Entertainments | May 2005 - July 2007 (2 YRS)

- Developed custom applications for the entertainment industry

Technologies: C++, Game Development Tools



Technician and Web Developer

Network Business Machines | October 2002 - May 2005 (2.5 YRS)

- Engineered tailored applications, streamlining operations and enhancing productivity by 20 hours monthly

Technologies: PHP, MySQL, JavaScript



Software Developer

Freelance | September 1994 - Present (29 YRS)

- Architected and developed custom web and mobile applications
- Graphic, Motion, Code Design, and user interfaces with motion graphics
- Programming, Scripting, and Markup; Utilized a variety of languages and frameworks to build robust and scalable applications. Implemented full-stack solutions
- Desktop, Web, Mobile, Office, and other Technologies; Built applications for a wide range of devices and platforms; Utilized a variety of technologies to create comprehensive solutions; Leveraged cross-platform technologies including Electron for desktop apps and React Native for mobile
- Designed Laravel applications and APIs
- Developed Next.js web applications

Technologies: Redux Toolkit, Next.js, React Native, Laravel, Node.js, JavaScript, TypeScript, PHP, Python, Ruby



OTHER SKILLS

web design,

web architecture,

computer science,

project management

SOFT SKILLS

problem solving,

excellent verbal communication,

attention to detail