John Parks

Software Engineer, DevOps Engineer, Manager

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Skills & Technologies »

- **Web Application Development** - Front-end & Back-end, JavaScript, HTML/CSS, Browser APIs, Chrome Extensions
- **JavaScript** - ES6+/ECMAScript 2015+, TypeScript, Deno, Node.js, React, Svelte, esbuild, webpack, Jest, Playwright
- **Python** - Flask, Django, Pandas, NumPy, Matplotlib, Pytest
- **PHP** - Composer, Laravel, Symfony, WordPress, Magento
- **Database** - MySQL, PostgreSQL, SQLite, Redis, document-based/No-SQL, ORM, Administration, Redundancy & Availability
- **Development Tooling** - Git/SVN, GitHub, GitLab, BitBucket, Jira
- **Linux/Unix** - Ubuntu, Debian, RHEL, CentOS, VMWare ESX
- **DevOps & System Administration** - Docker, CI/CD, Nginx, Apache2, HAProxy, Varnish, Memcached
- **Monitoring, Logging, & Insight** - Grafana, Elastic Search, Logstash, Kibana, Graphite/StatsD, InfluxDB
- **AWS** - Certified Solutions Architect #255285, EC2, S3, Lambda, RDS, VPC, IAM, CloudWatch, DynamoDB, SNS, SQS
- **GCP** - Firebase/Firestore, Functions, App Engine, Logging, Monitoring, App Analytics
- **Payments & eCommerce** - PCI DSS Compliance, Stripe.js, PayPal, Subscriptions, Shipping, Taxes, Affiliate Networks
- **Authentication** - OAUTH, Multi-tenancy, Auth0
- **Analytics & Advertising** - Google Analytics, Tag Manager, CAPI, Facebook, Tiktok, S2S, deep-funnel conversion, CRM
- **Graphics** - Adobe Photoshop, Adobe Illustrator, Figma
- **Web Automation & Scraping** - Bot detection/bypassing bot detection, Browserless HTTP, Fingerprinting
- **Video** - ffmpeg, GStreamer, WebRTC, RTSP/RTMP over WebSocket (ONVIF)

Experience »

Independent Consultant - Contracting Engineer

San Diego, California; 2012-present

I serve a diverse clientele across various industries in Southern California and Eastern Iowa as an independent consultant.

- **Software Development** - Fullstack solutions focused on web technologies with browser-based presentation layers.
- **Payments & eCommerce** - Custom eCommerce experiences, from conceptualization to payment processor integration.
- **Team & Management Solutions** - Provide comprehensive solutions for team collaboration and operational management.
- **CRM Integrations** - Develop and optimize CRM solutions, seamlessly integrating them with existing technology stacks.

Alsoa - Contracting Engineer

San Diego, California; March 2022 - August 2022

Alsoa is a cloud-based service that helps businesses understand customer behavior online without using tracking cookies.

- Developed a way to track online user behavior without relying on cookies, using server-to-server technology.
- Created platform in GCP that records detailed customer actions from start to finish, using TypeScript and Python.
- Managed the addition of features that connect to external platforms like Google Ads, Facebook, and HubSpot.
- Built PHP Magento module for server-to-server conversion tracking to integrate with Alsoa tracking platform APIs.

YourSix - Software Engineer, Director of Engineering
Roseville, Minnesota - remote; May 2020 - June 2021

YourSix is a company specializing in cloud-based security and surveillance solutions.

- Led and expanded a team of local and international developers to create software focused on physical security services.
- Built an ONVIF-compliant prototype VMS (video management system) capable of various video formats and real-time controls, using advanced web technologies for streaming and audio.
- Collaborated with key project members to design and build a user-friendly SPA (single-page application) using Svelte.

InternetIn / ServiceAbility.app - Software Engineer
San Diego, California; June 2019 - January 2021

InternetIn/ServiceAbility.app offered a collection of tools for researching internet quality and availability.

- Created a comprehensive map to show fiber internet availability using various technologies and multiple data sources, including public and proprietary.
- Developed a tool that measures internet quality by location, using data from multiple reputable sources.
- Created a workflow system to streamline complex business and consumer processes, including generating fillable PDFs and integrating with e-signature services.
- Designed an automation tool that simultaneously tests internet serviceability in multiple locations and compiles the results into a unified dashboard.
- Analyzed and recreated Comcast's intricate business pricing structure, creating a real-time pricing tool and API.

Ebates Inc. / Rakuten - Senior Software Engineer, DevOps Engineer
San Diego, California; 2015 to 2019

Rakuten is a digital platform that gives users cash-back rewards by sharing the commission from affiliate networks.

- Led the technical aspects of the first PCI DSS compliance audit for payment security standards, creating a robust authentication server used across all of Rakuten's platforms.
- Built a Node.js jobserver that automates product searches and online checkouts to increase the cash-back rewards.
- Collaborated with DevOps and software engineers to migrate our varied services and applications to Amazon Web Services for better scalability and efficiency.
- Employed business intelligence tools to offer valuable insights into system performance and business metrics, using custom data visualizations and smart alerts.

Leepfrog Technologies - Software Developer
Iowa City, Iowa; 2012

Leepfrog offers course catalog, scheduling, and curriculum software to educational institutions across the globe.

- Created digital course catalog systems for major universities using Leepfrog's CourseLeaf software.
- Automated the import of course data from popular student information systems such-as Oracle PeopleSoft and Banner, making it easier to kick-start projects and onboard clients.
- Built a contemporary instant messaging tool, adapting it to work on the company's older BBS platform, Gestalt.

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*Full resume & portfolio available online at **johnmparks.com***