John Parks - Resume 2022

john.m.parks@gmail.com • 619-306-1135 • johnmparks.com

Development:

- Software Design/Development
- Cloud Development (Serverless/function-based, SaaS)
- Web Application Development/Design
- ECMA (Typescript, JavaScript, ES8, jQuery, Svelte, React, Vue, Alpine.js)
- Node.js (Express, threading/IPC, build systems)
- Golang (gin, beego, Pion)
- Python (Flask, Pandas, TensorFlow)
- Database (MySQL, PostgreSQL, SQLite, Redis, document-based)
- Browser Extensions, Office Add-ons (Parasitic UIX Overrides, Competitor Pricing Aggregates, "Affiliatization")
- Development Tooling (Git/SVN, GitHub, GitLab, BitBucket, Vagrant
- eCommerce (Stripe.js, PayPal, UPS, FedEx, USPS, Affiliate Networks, Subscriptions)
- PCI DSS Compliance, OWASP
- Authentication (OAUTH2 w/Custom Grants, Social-sign on, Multi-tenancy)
- Advertising (CAPI, Facebook, Google Ads, Tiktok, S2S, deep-funnel conversion)
- Video (RTSP/RTMP over WebSocket, WebRTC, low-latency video solutions targeting browser)

DevOps:

- Linux/Unix (Primarily Debian and Ubuntu)
- AWS (Certified Solutions Architect - Associate #255285 expired)
- GCP (Firebase/Firestore, Functions, App Engine, Logging, Monitoring, App Analytics)
- Database Administration (MySQL, PostgreSQL, SQLite, Redis)
- Docker ("docker compose" development environments, Kubernetes)

Business Intelligence:

- ELK (Elastic Search, Logstash, Kibana)
- Grafana, Datadog, Graphite/StatsD
- Google Analytics/Tag Manager

Experience »

Alsoa

Engineer (San Diego, California; March 2022 - August 2022)

Alsoa is cloud software that helps track deep-funnel conversion events in a "cookieless" world.

- Addressed web tracking in an increasingly privacy-centric/"cookieless" world through server-to-server (S2S) conversion API middleware.
- Built serverless E2E deep-funnel conversion tracking middleware in GCP (Google Cloud Platform) in Node.js, and Python.
- Oversaw development of 3rd party integrations with platforms such-as Google Ads, Facebook, Magento, and Hubspot.

YourSix

Contractor, Software Engineer, Director of Engineering (Roseville, Minnesota - remote; May 2020 - June 2021)

YourSix is a cloud security and surveillance company.

- Led + scaled team of developers and engineers to build cloud-based PSaaS (physical security as a service) web application.
- Prototyped an ONVIF-complaint VMS with (video management system) with RTSP/RTMP/H.264 + MJPEG over WebSocket video transport, low-latency PTZ (pan-tilt-zoom) controls, and PTT (push to talk) capabilities using modern/experimental browser APIs such-as WebSockets, MediaSource, the and the Web Audio API.
- Worked with project stakeholders to design a fully functional SPA UIX in Svelte for delivery to front-end team for implementation.

InternetIn / ServiceAbility.app

Cofounder, Engineer (San Diego, California; June 2019 - January 2021)

InternetIn/ServiceAbility.app was a suite of internet serviceability/QoS research tools.

- Built full fiber mapping, lit building, and POP (point of presence) tool using Mapbox, PostgreSQL, Node.js, and Golang. Data was ingested from public FCC data, private fiber maps, lit building lists, and proprietary data sources.
- Built ISP quality-per-geographic region QOS (quality of service) tool using multiple datasets including M-Lab NDT data from BigQuery and FCC broadband quality initiatives.
- Built document/web workflow engine to aide in complex B2B and B2C workflows with custom fillable PDF generation, Docusign integration, and email capability.
- Built automation engine capable of running serviceability checks in parallel (5-10+), submitting the results to a "single-pane-of-glass" UI.

Rakuten - Ebates Inc.

Senior Software Engineer (San Diego, California; 2015 to 2019)

Ebates, acquired by Rakuten in 2014, is an online cash-back rewards solution that shares affiliate commission from eCommerce sales back with it's users.

- Technical lead for initial PCI DSS compliance audit, remediation, and certification; developed high-availability/multi-tenant authentication server based on OAUTH2 which handles every Ebates (and Ebates subsidiary) user/device authorization.
- Developed "Constitution Jobserver" in Node.js which handles headless Chrome instances performing automated product scraping, and eCommerce checkout automation on behalf of our users to maximize the affiliate commission per-sale.
- Utilized enterprise BI tooling such as Datadog, Loggly, Graphite, and StatsD to provide critical systems/business insight through custom data feeds/dashboards and intelligent alerting.

Leepfrog Technologies

Software Developer (Iowa City, Iowa; 2012)

Leepfrog builds and supports course catalog, scheduling, and curriculum management solutions for over 200 higher-education institutions worldwide.

- Developed and maintained collegiate course catalog publishing solutions utilizing proprietary JavaScript CMS platform "CourseLeaf" for institutions including Cal Poly and Auburn University.
- Helped improve and automate course import solutions from Oracle PeopleSoft and Banner student information systems to streamline initial project development and client on-boarding.
- Developed modern JavaScript/HTML5 browser-based interoffice IM solution on unique legacy BBS platform "Gestalt".