

Alexander Klen

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About Me

- Staff Software Engineer - Full-Stack Coding, Software Architecture, Tech Lead, Project Management
- Experience designing, building, and scaling distributed web applications in multiple industries

Experience

Cloud Kitchens - Staff Software Engineer, Senior Software Engineer - *Remote - 2020-present*

- Tech Lead for Cloud Retail - team of 8 engineers. Software architect, project manager, scrum master
- Designed and built inventory platform and online retail applications for experimental business vertical. Concept to launch in major global markets in 6 months
- Delivered retail integrations with business partners, customers, internal engineering platform teams
- Collaboration with product & design, general manager & strategy, facility support & operations leads
- Presented multiple projects to CEO and engineering organization. Professional development mentor
- Leveraged modern microservice architecture, gRPC, message queues, GraphQL, Cockroach DB, Trino
- Earned promotion to staff engineer

Google LLC. - Senior Software Engineer, Software Engineer - *Seattle and Remote - 2015-2020*

- Payments Tech Lead for Google Domains (Registrar)
- Led team in major payments system upgrade, country and currency launches, fraud prevention improvements, payment stats and auditing pipeline
- Implemented automatic TLS cert provisioning, integrations with Google Business and Google Sites
- Completed projects for new ICANN transfer policy, registry integration, registrar-side .APP & .DEV TLD launches
- Presentations on payments, authentication, security. Mentoring and interviewing
- Earned two promotions to senior engineer

Various - Software Engineering Intern - *2011-2014, 2 years cumulative*

- Google: Adwords MapReduce data migration pipelines, real-time logs processing regression test improvements
- Facebook: Crowdsourcing in Graph Search, contextual Wikipedia snippets, photo map search visualization
- LinkedIn: iOS UI redesign, employee dogfooding versioning system, node.js APIs and HTML5 iPad application
- Salesforce: Ryppe/Success Cloud performance review app - full-stack development on OKR and email features

Personal Projects

- [Blue Frost](#) - Personal and small business financial management platform.
- [AnimAI](#) - Physical and cell simulations for evolving neural architectures and embodied agents.
- [Mobile Game](#) - Android platformer game
- [Wedding Website](#) - Wedding website one-page app in Haskell
- [3D Rendering Engine](#) - 3D rendering engine demo in C++ with OpenGL

Education

University of Waterloo - Bachelor of Software Engineering - *2010-2015*

- With Distinction, Dean's Honours List, 3.96 overall GPA (cumulative 93.15%)
- Advanced Algorithms, AI, Compilers, Computer Graphics, Operating Systems, Networks