

Seung Park

Work Experience

Senior Software Engineer, MongoDB

Jul 2022 - Nov 2025

Full stack developer for Documentation Platform team

- Led development of a documentation platform serving 3M+ monthly users and 80+ internal content contributors, partnering with Product, Design, and IA teams
- Designed and migrated deployment to a Netlify-based CI/CD architecture, accelerating deployments and reducing release friction.
- Built a full-text search pipeline via automated ETL indexing across all documentation with <0.5s aggregation queries
- Implemented LLM-ready content ingestion pipelines, including AST streaming and markdown transformations
- Migrated platform from Gatsby to Next.js, reducing build times by 40%, improving SEO, and enhancing page load UX
- Delivered multiple custom ReStructuredText Directives for improved content UX - notably implemented Dark Mode using prerendered scripts to overcome SSG constraints
- Produced API docs integrated with Bump.sh by using a proxy server to inject MDB flavor into custom OpenAPI spec
- Enhanced page performance and Lighthouse scores by reducing First Contentful Paint (FCP) by 15% and Cumulative Layout Shift (CLS) by 50% on top 150 pages

Front End Team Lead, Gro Intelligence

Oct 2021 - Mar 2022

Led a team of 4 developers to build a React template with a standardized UI library

- Created a template with essential services (authentication, API integration, client side caching, user tracking, UI component library, data visualization) for applications served to targeted clients
- Jest testing, along with ESLint/prettier configurations in IDE to improve productivity
- Led research project to determine frameworks, libraries, and tools for project

Fullstack Software Engineer, Gro Intelligence

Mar 2016 - Oct 2021

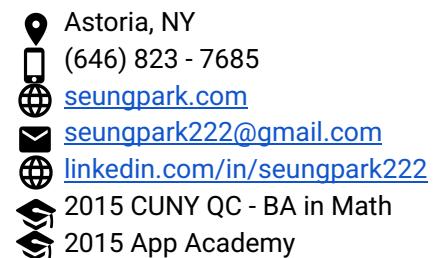
Part of a 7-man API+VIZ team responsible for API and user facing SaaS products

Web app

- Developed full scale AngularJS application for users to explore 50M+ data sets. Implemented first user payment system with StripeJS, implemented various data visualizations from balance sheets, choropleth heat maps, tree maps, etc.
- Improved initial load time by up to 20% via asynchronously loaded paginated data requests. Improved maps' interactive performance by 30% by leveraging web workers
- Implemented user analytics tools leading to 30% uptick in user acquisition. Provided business insights for UX iterations ie. sign up flow, subscription tiers, tutorials for product, and design team collaboration

RESTful API

- API traffic served behind load balancer with auto-scaling policy to maintain SLA requirements for <2000ms response time and >99% uptime, paired with rate limits.
- Maintained REDIS cache server with key generator to reduce DB trips
- Led project end-to-end to allow for public access to API, from DB changes, to API auth and CORS security, to user tracking tools



Technical Skills

Front end frameworks: React, NextJS, AngularJS, Gatsby

Data visualization: HighchartsJS, Leaflet, Mapbox, D3, Dash/Plotly, WebGL

Testing/Automation: Codecov, Jasmine, Lab, CircleCI, Puppeteer, Jest, Pytest, Mocha, GH

DB: PostgreSQL, MongoDB, Redis, GraphQL, ELK

Devops: Ansible, AWS, ELB, Datadog, Newrelic, Celery, K8s

Languages: Typescript, Node.js, SQL, Javascript, Python, Ruby