

# Seung Park

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## 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 to a Netlify-based CI/CD architecture from custom AWS CDK deployment, reducing deploy times by 15% and reducing repo size by 10%
- Built a text search pipeline via automated ETL indexing across millions of doc pages with <0.5s aggregation queries using MDB Atlas Search Index
- Implemented LLM-ready content ingestion pipelines, including AST streaming and markdown transformations
- Delivered multiple custom ReStructuredText Directives for improved content UX - notably implemented Dark Mode using <0.2s render blocking CSSOM and JS 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

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### 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

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 2015 CUNY QC - BA in Math  
 2015 App Academy

## 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