

EXPERIENCE

Senior Software Engineer | Dropbox

June 2022 to Mar 2024

- Generated **\$500K** in quarterly revenue created via leading growth & activation campaigns
- Reduced oncall effort by **10+ hrs/month** & doubled experimentation velocity by overhauling of /install page
- Unified **20+ engineering teams** design system with Storybook and Chromatic UI standardization
- Reduced on-call efforts by **50%** via Grafana dashboard improvements and automated metrics
- Organized annual JS Conference, upleveling other engineers in public speaking
- *Tech stack: React, TypeScript, Figma, Storybook, Python, Docker, Bazel, Kubernetes, SQL, AWS*

Senior Software Engineer [Contract] | Novel Commerce Dec 2021 to Feb 2022

- **\$6m** of funding secured in 6 months, leading architecture & launch of smart contracts for an NFT platform
- Managed **3 contractors** in hiring, onboarding, technical oversight including code reviews
- Wrote custom Solidity [OpenGSN implementation](#) for off-chain minting & whitelisting
- Tech stack: *Shopify, Solidity, OpenGSN, Torus Wallet, OpenZeppelin, TypeChain, MetaMask, Ethers.js, Alchemy, Hardhat, React, Typescript, Node, K8s*

Senior Frontend Engineer | HOVER Inc.

Feb 2017 to Feb 2020

- Scaled frontend team from **2 to 40 Eng** in less than three years, serving as the tech lead
- **75% reduction** in production bugs via initiative to achieve 80% unit & integration test coverage
- Led the creation of **PickleJS**, an open-source integration framework with OpenGL regression testing
- Developed 3D rendering platforms for visualizing completed homes & calculating construction materials
- Streamlined eng process by creating CI/CD pipeline, R&D efforts, & data viz frameworks
- Tech stack: *ThreeJS, OpenGL, Cypress, Selenium, **PickleJS**, Storybook, ArgoCD, Codefresh, Kubernetes, D3.js, Looker, TypeScript, React, Node*

SPEAKING & PUBLICATIONS

Neurodivergent's Guide to the Workplace	os.toli.me	2024
Developer Happiness	JavaScript Jabber Podcast	2022
Frontend Infra Playbook	feinfra.com	2022
Empathy & Aspergers	Humanava	2016
Facebook Ads Book	FBAdsBook.com	2016

ADDITIONAL EXPERIENCE (13y+) [[LinkedIn](#)]

Some experiences omitted to highlight main ones

Solutions Architect | Smartly.io

Jul 2017 to Oct 2017

- Delivered technical solutions to high-value clients for Facebook Advertising (**\$5M/mo** budgets)
- Drafted multi-year implementation plans with customer team
- Developed customized reporting solutions using Node.js, Google Data Studio, and AirTables.
- Trained in support, sales, and technical troubleshooting.

Frontend Team Lead/Manager | Agorafy

Aug 2016 - Apr 2017 2021

- Managed **5 engineers**, led frontend team to revamp Agorafy.com, a real estate listings platform.
- Managed programming, project management, architecture, and team recruitment.
- Collaborated with CTO/CEO on product drafting project roadmap and technical specs

Frontend Engineer | Percolate

Oct 2014 to Jul 2015

- Developed a large-scale Backbone.js enterprise app with **1500+ JS files**.
- Led migration from Backbone to React for our team
- Worked with Social Media APIs and various JS frameworks.
- Created an innovative email editor for Marketo
- Practiced Test-Driven Development (TDD)

Frontend Architect | Federal Reserve Bank

Apr 2013 - Apr 2014

- Led development of architecture and Common Components for data-intensive and sensitive applications.
- Contributed to critical Federal operations projects (including Fedwire)
- Authored a comprehensive framework for validation, forms, and data tables.
- Migrated Spring application, pioneering the SPA (Single Page App) approach with Backbone.js

Interactive Graphic Developer | Wall Street Journal

Sep 2012 - Mar 2013

- Utilized JavaScript visualization tools like D3.js and HighCharts.js.
- Worked in high paced setting during presidential election
- Contributed to interactive projects such as "Grade the Debates" and "Pol Positions."
- Collaborated with reporters and editors to aggregate data.