

# Sarid Shinwari

Senior Full Stack Engineer in New York City; U.S. Citizen; inactive Secret Security Clearance

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## Experience

### Senior Software Engineer

*ngrok - ngrok.com*

Jan. 2019 - Current

Remote Position

### Senior Frontend Engineer

*Smartling - smartling.com*

Jun. 2018 - Dec. 2018

New York, NY

- Designed multi-product React component library, custom text editors. General SPA dev in multi-team environment.
- React, Redux, Flow, Node. New Relic metrics tracking. Devops monitoring using Opsgenie, Splunk, Track.js, Datadog
- Dramatically reduced language translation time with bulk editing & saving features along with a keyboard workflow
- TAUS innovation competition 2nd place winner, Google G Suite Docs plugin development, serverless development

### Software Engineer (Contract)

*Konstru (Thornton Tomasetti) - konstru.com*

Mar. 2017 - Sept. 2017

New York, NY

- Building Information Model (BIM) interoperability, collaboration, and version control SaaS for structural engineers
- Node, Angular, MongoDB, JS, Redis, EC2, Heroku, Stripe, S3, & Bootstrap. Visualization with WebGL, Three.js, & D3.js
- Optimized geometry streaming engine for large 3D models by parallelizing heavy computations such as version diffing
- REST API development, fixed major memory leaks, implemented new UI for better UX, integration testing for microservices based architecture, worked with legacy code, improved continuous integration, conducted thorough code reviews
- Desktop plugin development and testing for Revit, Excel, Etabs, Grasshopper, RAM, SAP, Tekla, and Dynamo
- Implemented Hubspot CRM for sales team, billing and subscriptions for Konstru organizations via Stripe

### Lead Software Engineer

*Polygon Labs - polygonlabs.us*

Dec. 2014 - Mar. 2017

New York, NY

- **Lockheed/Raytheon/STRATCOM**: Developed browser-based military KML tactical scenario/mission planner. Visualize and broadcast on 3D globe. Includes time based event editor and works completely offline. [chronos.polygonlabs.us](http://chronos.polygonlabs.us)
- **Lockheed Martin**: Developed Census Bureau app for command center operations. With multi-data filtering and deep map visualizations, the need for manual data investigation and consolidation was eliminated. Demo video: <http://goo.gl/pzPqSv>
- **Washington Post**: Integrated real-time election API with VizRT & wrote reusable template library for TV producers
- **Fox Sports**: Maintained NCAA March Madness VR streaming app. <http://engt.co/1gu6ImW>
- **ADP**: Developed CMS/content creator & scheduler for HR that streams to all TVs of ADP's HQ. [ipsum.polygonlabs.us](http://ipsum.polygonlabs.us)
- **teleSUR**: Wrote reusable VizRT template library for TV producers, minimizing effort from data to showtime
- **Fairfax County**: Streamlined Channel 16 broadcast scheduler & content pipeline, setup county emergency alert system
- **BuzzDial**: Developed management middleware to connect real-time web API to Vizrt broadcasting products.
- **Other**: Developed MSI packages & bootstrappers with WiX Toolset to reduce configuration times.

### Software Engineer

*Lockheed Martin - Mission Systems and Training - lockheedmartin.com*

Jun. 2014 - Dec. 2014

Moorestown, NJ

- Fixed bug that causes delayed missile firing for the Aegis Combat System, implemented real-time interception algorithms
- Ported legacy MIPS code to x86-64 for scaling and conducted software & hardware integration testing upon USS Rancocas

### Software Engineer Intern

*Raytheon - Intelligence and Information Systems, DCGS-Army - raytheon.com*

Jun. 2013 - Aug. 2013

Garland, TX

- Turned social media into real-time, actionable alerts using NLP; streamed to browser to view on map via OpenLayers
- Wrote image splitting and data processing algorithms that takes advantage of HBase storage to maximize random access
- Developed reusable widgets using d3.js graphing library; usable for cluster & server health status or other visualizations

### Mobile Application Designer and Developer Intern

*Rutgers University - Enrollment Services - rutgers.edu*

May 2012 - Sept. 2012

New Brunswick, NJ

- Developed hybrid Cordova/PhoneGap Android/iOS app using KendoUI for onboarding students into college and tutoring

## Skills

**Technologies:** Javascript, Node, Express, Meteor; React, Angular, Vue; Python, Django, Gunicorn, Celery; Rust; Go; PostgreSQL, MySQL, Oracle, MongoDB, Redis, HBase; C#, .NET, WPF, Visual Basic; Java, Spring, Hadoop; C, C++, MATLAB; Elixir, Erlang, Phoenix; REST, GraphQL; Webpack, Babel, PostCSS, Jest; Docker, AWS, DigitalOcean

**Visualization:** Draft.js, three.js, d3.js, Unity3D, WebGL, Cesium, OpenLayers, 3ds Max/Maya, VizRT Suite

## Education

### BS Applied Sciences in Engineering, Computer Science

*Rutgers University - New Brunswick*

May 2014

Piscataway, NJ

**Other:** Google Sandbox Machine Learning Lab NYC, Wall Street scholarship, sold multiple community websites