

# Nimit Bhandari

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## PROFESSIONAL SUMMARY

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Full-stack engineer with 10+ years across fintech, SaaS, and open-source geospatial systems. Builder of **reearth/ylgo**, a Go port of the Yjs CRDT with feature parity to both the JS and Rust implementations, and maintainer of **reearth/resium**, a widely-used React binding for CesiumJS that sees ~143K npm downloads a month. Previously scaled derivatives clearing infrastructure at Goldman Sachs and led performance engineering at Mavenlink. Most at home in Go, Rust, TypeScript, and Ruby.

## SELECTED OPEN SOURCE

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- [github.com/reearth/ylgo](https://github.com/reearth/ylgo) : Go port of the Yjs CRDT, built ground-up with feature parity to Yjs (JS) and YRS (Rust).
- [github.com/reearth/resium](https://github.com/reearth/resium) : React binding for CesiumJS, ~143K npm downloads/month, 868 GitHub stars.

## PROFESSIONAL EXPERIENCE

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### Senior Full Stack Engineer

Sep 2025 - Now

Eukarya | Location: Remote (Dehradun, India)

*Developer, Maintainer and Contributor across Re:Earth and Eukarya's open-source geospatial platform and other initiatives.*

- **Built reearth/ylgo** from the ground up, a Go CRDT library with feature parity to Yjs (JS) and YRS (Rust).
- **Shipped** ten ygo releases in eight months, covering pending-structs convergence and context-based cancellation.
- **Drove** security hardening across Re:Earth OSS libraries, including DoS caps, CSWSH defenses, and ReDoS CVE fixes.
- **Maintain reearth/resium**, a widely-used React binding for CesiumJS with ~143K monthly npm downloads.
- **Ship** regular Cesium upgrades and major framework migrations (including React 19) for Resium.
- **Standardized** release pipelines across Re:Earth OSS libraries with OIDC Trusted Publishing.
- **Shipped** dashboard sharing, LLM-based chat titles, and AWS Bedrock queuing for LINKS-Veda BI.
- **Fixed** mixed-geometry MVT rendering and OPFS persistence for DuckDB tables in LINKS-Veda.

### Lead Full Stack Engineer

Feb 2024 - Feb 2025

Clikdone.com | Location: Remote (Dubai, United Arab Emirates)

*Bootstrap, develop, deploy and manage the MVP for the startup*

- **Led** the development and integration of an **ERP** module for enhancing business process efficiency.
- **Implemented background job** processing using **Sidekiq**, for email/text notifications and batch tasks.
- **Integrated the Stripe Payments API** for subscription and product payment capabilities.
- **Utilized Turbo Frames** to create modular sections for features like account settings, form submissions etc.
- **Created a live search feature** using Turbo and Stimulus to deliver instant search results as users typed.
- **Developed custom Stimulus controllers** to deliver reusable, performant and interactive frontend features.
- **Developed** and managed production **deployment** strategy, ensuring high availability and performance.
- **Reduced** the production deployment time **by 85%** using automation and git-based deployment.

### Full Stack Engineer

Nov 2022 - May 2023

Dome Global Inc. | Location: Remote (India)

*Bootstrap, develop and manage the MVP for the seed-funded PaaS startup*

- **Developed** and **deployed** a **REST API** for the SaaS product using *Golang, ArangoDB & Docker*.
- **Spearheaded** frontend UI development for the app using **Next.JS, JavaScript** and **React**.
- **Designed** and **Developed User Authentication** and **Session management** workflows for the product.
- **Created** product knowledge workflows and **API documentation** using Swagger.
- **Delivered** product / proof-of-concept demonstrations to the wider team audience.
- **Collaborated** with product management to identify market requirements and translate them into features.

### Full Stack Engineer

Aug 2019 - Oct 2022

Mavenlink Inc. | Location: Remote (Salt Lake City, Utah, United States)

*Developing new features for the Mavenlink core and supported integration products as a part of the R&D team.*

- **Gathered** requirements from product and customer teams to develop new features for the Mavenlink app.
- **Enhanced** the budgeting, invoicing, expenses features to support multiple currencies and conversions.
- **Developed** and **deployed** a **REST** service to support multi-currency conversion features.
- **Collaborated** with product managers and designers to identify optimal solution design and test strategies.
- **Deployed** the backend API for task features using GraphQL and updated frontend in ReactJS.
- **Led** performance engineering efforts for the task management module and reduced latency by **90%**.
- **Assisted** with production deployment, backend jobs management and platform error monitoring.

## Senior Software Engineer

Nov 2015 - July 2019

**Goldman Sachs & Co.** | Location: Salt Lake City, Utah, United States

*Owned the middleware platform for FX derivatives clearing, covering G10 currencies and regulatory regimes including MIFID-II, Dodd-Frank, and BREXIT change management.*

- **Developed** and **automated** the FX derivatives **clearing setup**, increasing the cleared capital by **70%**.
- **Led** the project and **development** for setting up **clearing flows** for NDFs across **G10 currencies**.
- **Led** the automation and **development** of **clearing eligibility** for all FX **Options and Forward** trades.
- **Led** the **enhancement** of the **Credit Clearing** flows to support BREXIT related change management.
- **Implemented** regulatory **frameworks** like MIFID-II to prevent potential penalties for the firm.
- **Trained** a group of 10 consultant engineers as the **SME** on the middleware and trade flows.

## Senior Research Engineer

Jun 2011 - Jul 2014

**Hitachi R&D** | Location: Bangalore, India

- Led all efforts market research and consulting for Hitachi Enterprise Management Software suite.
- Developed P-O-Cs and technical documentation for over 40 prospective customers.
- Spearheaded collaboration between Hitachi Japan and TCS India to set up joint enterprise solutions.

## Technical Consultant

Aug 2010 - Jun 2011

**Oracle, India** | Location: Bangalore, India

- Led 75 technology discovery calls and was the highest sales pipeline contributor in the team.
- Developed over 30 POC demos for database, application server & other Oracle middleware solutions.

## Technology Consultant

Feb 2009 - Aug 2010

**Hewlett Packard India** | Location: Bangalore, India

- Resolved 140 cases for deployment, customization & integrations for HP enterprise customers.
- Developed 10 POC demos with the HP professional services team for prospective customers.

## EDUCATION

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**University of Utah** | *Master of Science in Information Systems*

Aug 2014 - Aug 2015

- GPA: 4.0/4.0
- *Student Associate*, Lassonde Entrepreneurship Institute

**Dehradun Institute of Technology** | *B.Tech in Information Technology*

Nov 2004 - June 2008

- GPA: 3.4/4.0

## SKILLS

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**Languages** : Go, Rust, TypeScript, JavaScript, Ruby, Python, Java, R, HTML, CSS

**Frontend** : React (incl. React 19), Next.js, Cesium / Resium, Turbo, Stimulus, Vega-Lite, jQuery

**Backend & Realtime** : GraphQL, REST, WebSockets, Yjs / CRDT, Sidekiq, AWS Bedrock

**Data** : MongoDB, ArangoDB, Oracle, MySQL, DuckDB, SecDB (GS proprietary)

**Infra & Release** : Docker, Kubernetes, KVM, VMware, GitHub Actions, OIDC Trusted Publishing, Git