

Prateek Solanki

Seattle, WA | hello@prateeksolanki.com | prateeksolanki.com | [LinkedIn](#)

OVERVIEW

Strategic product designer and technologist with 10 years transforming complex enterprise experiences across healthcare and cloud infrastructure. Created Lumina at AWS—an AI-powered platform processing feedback across 40+ services, saving \$1M+ annually while fundamentally changing how teams understand customers. Previously led €500K+ international research programs at Siemens Healthineers, shipping award-winning medical devices with 95th percentile usability scores.

I specialize in translating complex technical systems into intuitive experiences through cross-functional collaboration and shared conceptual frameworks. I combine strategic thinking with hands-on implementation to enable people to accomplish their goals without the friction of unnecessary complexity.

WORK EXPERIENCE

AWS, Databases & Analytics

Seattle, WA

UX Designer II

Jun 2022 – Present

Lumina AI Analytics Platform

- ◆ Conceived, designed, and built an AI-powered platform analyzing customer feedback across 40+ AWS services, generating \$1M+ annual savings by reducing processing time from weeks to minutes.
- ◆ Implemented a scalable, full-stack solution using AWS Bedrock, Lambda, Step Functions, DynamoDB, S3, React and Streamlit.
- ◆ Drove adoption to 50+ designers (25% of the org), fundamentally transforming their workflow from manual data collection to rapid, strategic customer insight. Secured leadership sponsorship for AWS-wide expansion, along with inspiring multiple teams across Amazon to initiate their own AI experiments through presentations at several internal events (e.g., Conflux 2024).

Cloud Infrastructure & Developer Experience

- ◆ ElastiCache "[1-Click Connectivity](#)": Designed solutions reducing setup time from hours to minutes through contextual code samples, one-click CloudShell integration, and simplified compute integration workflows—directly addressing primary adoption barriers for caching services.
- ◆ [Aurora I/O-Optimized](#): Led UX for Tier-1 feature launch, achieving 30% adoption within first year—Aurora's fastest-growing feature
- ◆ RDS Pricing Transparency: Designed and validated a pricing transparency vision adopted into a 3-year roadmap, incremental improvements towards which resulted in 35% reduction in pricing-related feedback tickets and consideration by other AWS service teams.

SIEMENS HEALTHINEERS

Princeton, NJ

Sr. UX Designer

Nov 2015 – Jun 2022

ACUSON Ultrasound Platform

- ◆ Contributed to the foundational design of the [ACUSON Sequoia](#) platform, which achieved industry-leading metrics in an [independent third-party study](#), including a 95th percentile SUS score and 96% task success rate, and 82% preference vs. competitive devices.
- ◆ Led the end-to-end UX for the [ACUSON Origin](#) system. Designed and executed a €500K+ international research program across 3 countries (US, Germany, China) to validate and define the specific UX requirements for the cardiology-focused Origin system.

- ◆ Prevented a multi-million dollar hardware failure for the ACUSON platform by designing and executing a rigorous study based on Fitts' Law, providing objective data that proved an initial hardware choice was unviable for critical clinical workflows.

SHUI Design System & Strategic Initiatives

- ◆ Co-led the creation of the award-winning [SHUI Design System](#) ([Red Dot](#), [UX Design Award](#), German Design Award), establishing a unified design language that increased development efficiency for 550+ designers and engineers.
- ◆ Developed reusable workflow patterns adopted by 8+ product lines (Ultrasound, MRI, CT). Evolved, maintained, and evangelized a comprehensive design system with over 48 components and 15 workflow patterns.
- ◆ Co-led the rapid design of the [Vaccellent Platform](#) in response to the COVID-19 crisis, delivering an end-to-end vaccine management system that helped administer 100K+ doses and earned the 2021 Innovation Excellence Award at Siemens Healthineers.
- ◆ AI/UX Framework: Developed framework for human-AI collaboration in medical devices, outlining guidelines for Siemens Healthineers' approach to AI integration, among other strategic initiatives.

Siemens Healthineers / UX Design Intern / Princeton, NJ / Feb 2015 – Jul 2015

Concept Nation / UX Designer & Front-End Developer / Hyderabad, India / Sep 2014 – Jan 2015

Fractal Ink Design Studio / Front-End Developer / Mumbai, India / Feb 2013 – Jul 2013

Infosys / QA & Test Engineering / Hyderabad, India / July 2010 – Oct 2012

PERSONAL PROJECTS

HCI INDEX Dec 2023

- ◆ Built [Next.js application](#) making academic HCI research accessible to practitioners through AI-powered summarization and semantic search. Addresses the barrier many designers face accessing foundational knowledge, with 100+ seminal papers searchable through RAG architecture and vector search.

RASABHŪMI Dec 2024

- ◆ Created [SvelteKit application](#) mapping 4,400+ geographically protected cultural heritage products using Mapbox, exploring how digital interfaces can preserve and surface traditional knowledge through spatial storytelling.

EDUCATION

DOMUS ACADEMY Milan, ITALY
Master of Arts, Interaction Design Sep 2013 - July 2014

MANIPAL INSTITUTE OF TECHNOLOGY Manipal, INDIA
Bachelor of Engineering, Major in Mechatronics July 2006 - May 2010

SKILLS

Systems thinking • Visual & Interaction design • User research • Design systems • AWS • Cloud infrastructure • Full-Stack development • Cross-functional collaboration • AI application development

