

# Prateek Solanki

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## OVERVIEW

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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

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AWS, Databases & Analytics  
UX Designer II

Seattle, WA  
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  
Sr. UX Designer

Princeton, NJ  
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

