



# Michael Santelia

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## Summary

Not just your typical Engineer. I'm a pragmatic Senior Software Engineer, Technical Lead, adrenaline junkie, and grenade diffuser known for intuitive and innovative full-stack solutions with a focus on user experience. Expert in Agile, DevOps, and UX principles, I make data-driven decisions from A/B tests, UX research, and talking to users. Skilled in end-to-end development and recognized for solving complex issues and solutions with speed. Nicknamed "The Cleaner" for tackling challenging problems.

## Profiles & portfolios

- [linkedin.com/in/santelia](https://www.linkedin.com/in/santelia)
- [github.com/ecumike](https://github.com/ecumike)
- [patents.google.com/?inventor=Michael+Santelia](https://patents.google.com/?inventor=Michael+Santelia)

## Professional experience

### InfoBeans

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#### Lead Software Engineer

Dec 2023 – Present

- Lead backend development team with technical leadership and ensure development best practices and coding standards to maintain code quality and maintainability.
- Develop a client-facing web application for global construction company with thousands of users, prioritizing high-performance API integration and security.
- Develop a sales tool leveraging OpenAI APIs to boost client engagement and drive new lead generation.

#### Estimand (startup)

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#### Principal Software Engineer

Aug 2023 – Dec 2023

- Design and develop company web site and blogging platform.
- Provide technical leadership and ensure development best practices and coding standards to maintain code quality and maintainability.
- Evaluate new technologies and make recommendations for adoption.
- Identify technical risks and develop strategies to mitigate them.
- Ensure code is secure, and compliant with industry standards, accessibility, and regulations, while being performant.

### Cisco

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#### Senior Software Engineer / Tech Lead

Feb 2022 – July 2023

- Led cross-functional efforts with UX and Data Science teams, driving centralized data analysis and reporting tools implementations.

- Created a high-visibility automated reporting tool and dashboard using Python, Postgres, and Django, providing real-time insights to executives.
- Increased efficiencies through requirements analysis and strategic planning.

## IBM

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### Chief Programmer / Software Engineering Researcher

2019 – 2022

- Developed several impactful tactical and strategic solutions, including a 1-week SPA tool that saved \$22M over the first 3 years of use.
- Led multi-disciplinary teams in implementing centralized data analysis, feedback, and reporting tools across 400+ internal tools and services.
- Implemented and maintained critical projects such as GDPR tracking, Finance resource management, audit tools, and automated reporting apps.
- Mentored, educated, and set best practices for design and development.

### Chief Programmer / Tech Lead, ibm.com Web Platform

2014 – 2019

- Owned, lead, and developed the ibm.com enterprise-wide, scalable, centralized and fully globalized web framework for 30+ million web pages.
- Led high-impact projects, collaborating with analysts, executives, and design teams to drive UX enhancements, accessibility and standards compliance.
- Mentored, educated, and led development and UX standards for teams across the enterprise and with agency partners.
- Designed and developed stable, scalable web architectures, APIs, and services.
- [ibm.com/standards/web/v18/](https://ibm.com/standards/web/v18/)

### Senior Software Engineer / SME / Advisory Architect

2009 – 2014

- Mentored in web development, best practices, and quality standards.
- Implemented enterprise-wide centralized common component CMS templates for over 50K web pages.
- Chief Programmer for IBM's CEO, Ginni Rometty projects including ibm.com home page, intranet home page, and employee core values sites.
- Led the cleanup and conversion of 12,000 CGI redirects to htaccess files through the creation of an automated conversion script.
- Led global web pilots for SWG portfolio sites (120,000 pages), collaborating with multiple 3rd-party vendors.
- Sole developer leading the new ibm.com intranet home page, resulting in a record-setting IBM employee satisfaction rating.

## Lead Developer / SME / Advisory IT Specialist

2000 – 2009

- Developed tactical and strategic solutions based on clients' needs, contributing to IBM's brand, quality, and best practices.
- Mentored team members and provided expertise in web development.
- Led team education and expertise in compliance with accessibility, industry standards, and IBM web standards.
- Guided tech adoption, ensuring compliance, accessibility, and standards.
- Created and ran an internal blog, newsletter, and Web development site with tips, tricks, and tools with over 1,000 users.

### Skills

HTML • CSS • JavaScript • REST APIs • Python • Django • Postgres • DevOps • AWS • IBM Cloud • Azure • Openshift • Angular • NPM • build processes • automated testing • CI/CD • agile • front-end development • content management • UX principles and research • accessibility • requirements gathering • problem solving • mentorship • collaboration • prototyping • efficiency • standards and best practices

### Education

**East Carolina University**  
Bachelor of Science, Marketing

References, awards,  
certifications, projects  
and further details

[linkedin.com/in/santelia](https://www.linkedin.com/in/santelia)