

# Art Starus

401-533-1855 | [me@artstarus.com](mailto:me@artstarus.com) | [artstarus.com](http://artstarus.com) | [linkedin.com/in/artstarus](https://linkedin.com/in/artstarus) | [github.com/artstarus](https://github.com/artstarus)

## TECHNICAL SKILLS

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**Languages:** Python, C, Java, SQL, JavaScript, TypeScript, HTML/CSS

**Frameworks & Libraries:** React, Next.js, Node.js, Express.js, Flask, TailwindCSS, pandas, NumPy

**DevOps & Infrastructure:** PostgreSQL, Redis, Kafka, AWS (S3, Lambda), Microsoft Azure, Google Cloud Platform

**Developer Tools:** Git, VS Code, Kubernetes, Docker, Postman, NPM, Figma

## EDUCATION

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**University of Massachusetts Amherst**

Amherst, MA

*Bachelor of Science in Applied Mathematics, Commonwealth Honors College*

*Sept. 2022*

- Relevant Computer Science Coursework: Object-Oriented Programming, Data Structures, Algorithms, Data Management, Programming in C, Discrete Mathematics, Advanced Linear Algebra, Differential Equations, Mathematical Modeling, Multivariate Calculus, Scientific Computing, Abstract Algebra

## PROJECTS

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**CellShield** | [Live Demo](#) | *TypeScript, React, Next.js, TailwindCSS, Neon*

Sept. 2024 – Oct. 2024

- Engineered a full-stack e-commerce platform with Next.js 14, TypeScript, and Postgres, featuring real-time order tracking and a custom phone case configurator with secure Stripe payment processing
- Developed an intuitive drag-and-drop image editor using React and Canvas API, enabling users to upload, position, and crop photos while maintaining print-quality output specifications
- Implemented a scalable codebase with robust error handling, automated email notifications using Resend API and built a responsive admin dashboard with real-time sales analytics and order management functionality

**Personal Website** | [Live Demo](#) | *Typescript, Next.js, TailwindCSS*

Nov. 2024 – Present

- Crafted a modern portfolio with server-side rendering, achieving perfect Lighthouse scores in performance and SEO while maintaining 90+ in accessibility and best practices
- Designed reusable components with Framer Motion animations, including an interactive project showcase and dynamic skills section, improving user engagement and code maintainability
- Implemented responsive design patterns, dark mode support using TailwindCSS, a custom image gallery system, and smooth section navigation ensuring consistent UX across all devices

**ChatChat** | [Live Demo](#) | *JavaScript, React, Express.js, Node.js, TailwindCSS, MongoDB*

Mar. 2024 – Apr. 2024

- Built a real-time chat app with user authentication (JWT), utilizing Socket.io for messaging and React Context for online status tracking
- Created a scalable solution for user interactions and chat history using global state management with Zustand
- Deployed on Render, with robust error handling on both client and server sides for a smooth user experience

**StarCasino** | *Python, Flask, Javascript, SQLite, HTML/CSS*

July 2023 – Aug. 2023

- Constructed a full-stack European roulette simulator with user authentication, real-time balance tracking, and detailed statistics tracking, demonstrating proficiency in Flask and SQLite database management
- Applied solid error handling and input validation to prevent edge cases, including negative bets, decimal values, and over-balance wagers, ensuring application security and stability

## EXPERIENCE

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**Full-Stack Developer**

Remote

*Self-directed full-stack and cloud curriculum while traveling 10+ countries post graduation*

*2023 – Present*

- Built and deployed 4+ full-stack web apps using React, TypeScript, Node.js, and PostgreSQL
- Gained hands-on experience with AWS Lambda, API Gateway, S3, DynamoDB, GCP Cloud Run and Docker

## CERTIFICATES AND ADDITIONAL COURSEWORK

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**Stanford University** | *CS229 Machine Learning (self-study via official public lectures)*

Nov. 2025

**Harvard University** | *Computer Science Certificate in CS50* | [Credential](#)

Aug. 2023

**Meta iOS Developer** | *Professional Specialization Certificate* | [Credential](#)

Feb. 2024

**Google Project Management** | *Professional Specialization Certificate* | [Credential](#)

Mar. 2024