

Full-Stack Software Engineer with experience building SaaS, HealthTech, and EdTech applications using Python, Django, React, PostgreSQL, and AWS. Founder of Hroman Codes, LLC, delivering custom software and AI integrations for startups and healthcare organizations. Incoming M.S. student in Software Engineering for Artificial Intelligence at Boston University.

Skills

Languages: Python • JavaScript
Frontend: React • HTMX • HTML • CSS
Backend: Django • Flask • Node.js • REST APIs
AI & Automation: LLM Workflows • Prompt Engineering • AWS Lex
Databases: PostgreSQL • SQLite
Cloud & DevOps: AWS • Docker • GitHub Actions • Git
Testing: Pytest • Jest

Education

Boston University - Boston, MA
Master of Science in Software Engineering for Artificial Intelligence
Incoming Graduate Student - Starting January 2027

Formation | Remote | Software Engineering Fellowship | 2023
Thinkful - Remote Immersive Full-Stack Web Development Bootcamp - 2016

Eastern Connecticut State University - Willimantic, CT
BS, Communication - 2009

Professional Experience

Hroman Codes, LLC - Brewster, NY April 2023 - Present
Founder & Principal Software Engineer

- Founded a software consultancy delivering custom software, AI integrations, and technical solutions for startups and healthcare organizations while managing client relationships, project delivery, and technical architecture.

Representative Client Engagements

Empowered Path Therapy - Stamford, CT April 2025 - Present
Full-Stack Software Engineer

- Developed, deployed, and maintained 10+ company webpages and application features using Python, Django, Wagtail CMS, JavaScript, HTML, and CSS, improving the practice's online presence and user engagement.
- Designed and maintained a PostgreSQL relational database while building backend APIs and business logic to support day-to-day operations.
- Designed and implemented secure API integrations between the practice management system and third-party insurance services, providing clinicians and administrators with a unified dashboard for client billing and insurance status.

Rubix Tech AI - Los Angeles, CA May 2024 - April 2025
Software Engineer

- Led MVP development using Django, HTMX, and PostgreSQL, onboarding 100+ users with 70% retention.
- Built 15+ UI components and prototypes to improve usability and consistency across the product.
- Developed an AI chatbot using AWS Lex, reducing response time by 85% and integrating it with backend services.

The Seeker - Berkeley, CA April 2024 - March 2025
Full-Stack Software Engineer

- Built authentication and CSV data pipelines, reducing onboarding time by 40% and ensuring accurate data mapping into PostgreSQL.
- Utilized Django ORM to enable users to select preferred job roles and tags, enhancing personalization and engagement.
- Implemented user registration and login functionality to enable seamless authentication and data management.

The Urban Wild - Change Food For Good • Bronx, NY
Web Developer / Technical Instructor - Contract

April 2023 - March 2024

- Instructed a JavaScript course with libraries like plant.id API that increased internship placements by 3X.
- Contributed to the selection and development of instructional materials in accordance with course objectives.
- Worked closely with the Program Manager to track data and identify student needs, provide the necessary support, and participate in regular student status meetings.
- Developed and optimized the website using HTML, CSS, JavaScript, and embedded JavaScript templating.

Prior Professional Experience

Tiny Organics - New York, NY
Software Engineer

September 2021 - February 2023

- Designed and implemented a subscription pausing workflow system using Django-FSM supporting 10K+ users.
- Increased test coverage by 10% through unit and integration tests, improving release confidence.
- Built a webhook-driven microservice to cancel queued subscription orders, reducing churn and improving system reliability on Shopify.

The Knowledge House - Bronx, NY
Lead Technical Instructor

April 2017 - March 2020

- Taught 400+ students in web development, contributing to 70% internship and 85% job placement outcomes.
- Led a team of 4 engineers to build the initial cThink prototype, defining product and technical direction.
- Developed and facilitated curriculum spanning web development and design to close gaps in the education-to-employment pipeline.

Independent Software - New Haven, CT
A100 Program Web Developer Apprentice

May 2015 - August 2016

- Developed a scalable web app for Fantasy Squared using Python, HTML and CSS, collaborating with a team of 5 developers and project managers to improve feature delivery.
- Implemented an invite system to send email invitations to league participants using Meteor.js and Blaze.js.
- Created a polling system to test users' sports knowledge with Blaze.js, Meteor.js, and MongoDB.

PicSpotr - Hartford, CT
Web Development Intern

October 2014 - April 2015

- Developed HTML email campaigns to meet marketing objectives, improving engagement through well-formatted emails.
- Performed design, image editing, and optimization using Photoshop and Illustrator to improve visual content quality.
- Converted Photoshop mockups to responsive HTML, CSS, and JavaScript, ensuring cross-browser compatibility.

LatinosinHigherEd.com - Woodbridge, CT
Webmaster / Sales Business Development

April 2007 - September 2014

- Leveraged Dreamweaver to build and maintain responsive, user-friendly web pages using HTML, CSS, JavaScript, and PHP.
- Integrated APIs and third-party services, such as Indeed and Job Target, to enhance application functionality and increase user engagement.
- Managed job board sales and provided outstanding customer service, Achieved a 95% customer satisfaction score from over two thousand higher education institutions.

Projects & Open Source

[Turtle AI](#) - AI-Assisted Development Framework (Python, Markdown, LLM Workflows)

- Built a controlled AI-assisted development system to enforce deterministic execution and reduce errors in LLM-driven coding workflows.

[cThink](#) - Multi-sensory EdTech Platform (Django, React, HTMX, PostgreSQL, AWS)

- Built a multi-sensory learning platform using the D.A.B. framework to improve retention of technical concepts through interactive user flows and assessments.
- Designed the D.A.B. (Draw, Act, Build) learning framework to improve concept retention through interactive visual, physical, and hands-on learning experiences.