

Alex Hutton

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SUMMARY

Software engineer and technical project manager with 7+ years in event technology, real-time data systems, and platform development. Co-creator of Project88, a race management platform built in under a year using AI-augmented development (Claude Code), now syncing 50-100K participants per weekend across 25+ client organizations. Builds production systems spanning Python/FastAPI backends, React frontends, computer vision pipelines, and API integrations. Passionate about the outdoors with a background in endurance sports and ocean rescue.

TECHNICAL SKILLS

Languages: Python, JavaScript/TypeScript, Java, SQL, HTML, CSS, Swift (learning)

Frameworks: React.js, FastAPI, Spring Boot, Node.js

Infrastructure: Docker, Linux, SQLite, RESTful APIs, Git, Tailscale

AI / ML: Claude Code, YOLOv8 (computer vision), OpenAI/Anthropic APIs, prompt engineering, edge AI

WORK EXPERIENCE

Project Manager

Aug 2024 - Present

Super Race Systems, New York, NY

- Co-created Project88 in under a year using AI-augmented development (Claude Code), building a race management platform now serving ~25 active companies and syncing 50-100K participants per weekend from registration through scoring to results
- Built a full project management platform in under 2 months that replaced the legacy system (Lasso), now adopted across parent company Big River Race Management
- Architected platform features including pre-race time verification services and AI-powered chatbots adopted by organizations such as New York Road Runners (New York Marathon)
- Manage 150+ events company-wide and personally coordinate 60 events, overseeing pre-race logistics, race-day timing operations, and post-race data processing
- Developed a computer vision bib detection pipeline (YOLOv8 + OCR + FastAPI) deployed on NVIDIA Jetson Orin Nano for real-time finish-line monitoring
- Built internal automation tools and API integrations (RunSignUp, Google Workspace) for calendar sync, email templates, and registration/scoring workflows

Desktop Administrator

Apr 2024 - Aug 2024

Nordic Global, Charleston, SC

- Managed SOP compliance, SLA adherence, and security practices across a 700-bed hospital system
- Troubleshoot and resolved hardware and software issues for end-users across the organization

Assistant Manager

Sep 2018 - Jan 2024

Strictly Running, Columbia, SC

- Coordinated and timed 115 running events annually, managing software/hardware for race timing devices and troubleshooting network issues between systems and peripherals
- Developed automation software for registration confirmations and event preparation workflows
- Collaborated with Race Directors on requirements gathering and project execution

Ocean Rescue Lifeguard Supervisor

Apr 2015 - Aug 2021 (Seasonal)

CCPRC, Folly Beach, SC

- Supervised rescue team operations, coordinated with Fire/EMS, and conducted emergency simulations

PROJECTS

Project88 - Race Management Platform

Co-Creator

- End-to-end race operations platform with modules for participant data sync, project management (replaced legacy Lasso system), pre-race time verification, and AI chatbots, serving 25+ companies across Big River Race Management

Bib Detection System

Personal / SRS

- Edge AI application using YOLOv8 object detection and OCR on Jetson Orin Nano for real-time race bib recognition at finish lines, with FastAPI backend, SQLite logging, and web UI

EDUCATION

Associate of Applied Science, Computer Programming

2024

Trident Technical College, Charleston, SC - Magna Cum Laude