

# Brandon Bates

## ICU nurse turned AI workflow engineer and infrastructure operator

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ICU travel nurse with 13 years of high-stakes clinical experience, now focused on AI workflow implementation, healthcare automation, human-in-the-loop review systems, and infrastructure-heavy product work. Strongest fit: implementation-heavy AI roles where clinical judgment, reliable systems, and human review all matter.

### EXPERIENCE SIGNALS

- 13 years in ICU travel nursing environments with high-pressure handoffs, escalation, and operational judgment.
- Built TwoSevens.ai as a public technical workbench for clinical, operations, MRO, trading, security, music, and infrastructure examples.
- Designs human-in-the-loop AI workflows with structured outputs, validation thresholds, exception routing, and review gates.
- Operates lab infrastructure and services with Docker, Proxmox-style cluster practice, monitoring, recovery paths, and deployment discipline.

### SELECTED WORK

#### TwoSevens.ai employer-facing work site

Next.js, React, TypeScript, Tailwind, Framer Motion, Playwright

- Built the public site around ICU-to-AI workflow implementation, conservative technical evidence, and protected demos.
- Includes smoke tests, public-safety checks, protected demo boundaries, and mobile-first employer paths.

#### Clinical workflow validation examples

Synthetic data, human review gates, healthcare AI workflow design

- Demonstrates extraction, validation, threshold checks, and review routing without exposing PHI or private clinical data.
- Uses clinical operator judgment to keep AI positioned as decision support, not unsupervised authority.

#### Operations and MRO workflow automation

Workflow mapping, structured data, exception handling, implementation planning

- Models messy operational intake into auditable, reviewable workflow states and safer automation boundaries.

### TARGET ROLES

- AI implementation engineer or workflow automation engineer.
- Healthcare AI, clinical workflow, or human-in-the-loop systems roles.
- Infrastructure-heavy automation roles involving data flows, queues, services, and operations.
- Founder/operator technical roles where building, testing, shipping, and operating all matter.

### TECHNICAL PROFILE

#### Product engineering

Next.js, React, TypeScript, Tailwind, responsive UI, accessibility, Playwright, Jest.

#### AI workflow design

Structured outputs, workflow maps, human review gates, validation thresholds, exception routing.

#### Clinical workflow judgment

ICU operations, high-stakes handoffs, escalation, incomplete context, safety boundaries.

#### Data and pipelines

PostgreSQL-oriented systems thinking, extraction, normalization, validation, and auditability.

#### Infrastructure operations

Docker, Proxmox-style lab operations, distributed services, monitoring, recovery practice.

### OPERATING STYLE

- Maps real work before choosing tools or models.
- Separates public examples from private infrastructure, secrets, and sensitive data.
- Keeps humans responsible for high-stakes decisions.
- Builds toward systems that can be reviewed, tested, and operated.

### VERIFICATION

- Website: [twosevens.ai](https://twosevens.ai)
- Code samples: available on request
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