

# AI-Augmented Senior Engineering

One Resource. Small Team Output. No Hiring Overhead.

## THE CAPACITY PROBLEM

You need senior engineering capacity - architecture, development, testing, DevOps, documentation - but hiring takes months and contractors deliver code without context. You need someone who can own outcomes, not just write tickets. AI-augmented engineering changes the math: one senior resource delivering at the pace of a small team.

## WHAT I DELIVER

Capability	Traditional	AI-Augmented
Architecture	Weeks of design	Docs + diagrams in days
Full-Stack Dev	2-3 developers	Single resource, compressed timeline
Testing	Often skipped	Unit + integration coverage included
DevOps/IaC	Separate specialty	CI/CD, Terraform, pipelines included
Documentation	"We'll do it later"	Generated alongside code

## PROOF POINTS

### Rescued a statewide deployment in 2 weeks

Inherited a system that crashed at 3 concurrent users. Needed 3,000 users in production in 14 days. Rebuilt the architecture, launched 1 day early, served the full load. (Pacific Metrics)

### Won a government competition against Lockheed Martin

Led technical pivot from web-based to Unreal Engine for real-time missile tracking visualization. Congressional testimony changed from 'risk' to 'best solution they've ever seen.' (Outside Analytics)

### Built telemetry systems handling 25TB/s

Kafka pipelines, global ClickHouse deployment, 50+ node Elasticsearch. System validated during peak load events. (CenturyLink)

## ENGAGEMENT MODELS

Model	Best For	Structure
Subcontract	Consultancies needing surge capacity	You keep the client, I deliver the work
Fractional	Startups needing senior capacity	Part-time ongoing, project milestones
Project-Based	Defined scope, fixed timeline	SOW with deliverables and acceptance criteria

## TECHNICAL DEPTH

**Languages:** Python, Rust, JavaScript/TypeScript, Java, C++ | **Frontend:** Vue.js, React | **Backend:** Node.js, FastAPI, Spring Boot

**Infrastructure:** Kubernetes, Terraform, Docker, AWS, GCP, Azure | **Data:** PostgreSQL, Kafka, Elasticsearch, ClickHouse

**AI/ML:** Claude Code, Gemma 3, embeddings, RAG pipelines | **Regulated:** HIPAA, PCI, FedRAMP experience

## WHY AI-AUGMENTED ENGINEERING?

Claude Code isn't autocomplete - it's a force multiplier for architecture, implementation, testing, and documentation. I've integrated it into my workflow to deliver comprehensive solutions faster than traditional approaches. The result: you get senior-level thinking with small-team throughput, without the coordination overhead.

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## LET'S TALK

Whether you need surge capacity for a client engagement, fractional senior engineering for your startup, or a partner who can own delivery end-to-end - let's discuss how AI-augmented engineering can help.

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