

Shane Francis

Healthcare economics, forecasting & applied AI.

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I build coverage forecasts, market models and AI tools for health policy and product strategy. My experience spans UnitedHealth Group, state government and an independent software application.

EXPERIENCE

Director | Simulacra.Ink

Independent application development | Feb 2026 - present | Full-time

- Develop and operate a creative-fiction application using language models, retrieval and persistent narrative memory.
- Build React and Node applications with PostgreSQL, authentication, payments and model integrations.

Senior Market Research Scientist | UnitedHealth Group

Strategic Insights | Oct 2022 - Feb 2026 | Full-time

- Developed national coverage forecasts used as baselines for the 2023 and 2024 investor conferences and strategic briefings.
- Led a four-person research team evaluating more than two dozen proposed healthcare AI products.
- Built addressable, serviceable and obtainable-market models for healthcare products, including payment integrity.
- Built an Azure AI Search and Prompt Flow product-sizing assistant deployed to Microsoft Teams; designed Tableau payer dashboards backed by SQL data.

Health Care Economist | State of Louisiana

Legislative Fiscal Office | Feb 2021 - Jul 2022 | Full-time

- Established independent Medicaid cost and caseload conferences, building forecasting methodology and data infrastructure for estimates that informed state budget appropriations.
- Produced and defended more than 30 fiscal notes on healthcare legislation; briefed legislators on enrollment, cost drivers and federal funding changes.

Health Care Economist | State of Alaska

Department of Administration | Jul 2017 - Jun 2020 | Full-time

- Modeled proposed health-benefit changes involving travel surgery, telehealth and provider scope of practice.
- Investigated retiree drug-subsidy calculations and supported vendor procurement for subsidy appeals.

TOOLS & PRACTICE

Healthcare and Medicaid economics | Coverage forecasting | Market sizing | Policy and fiscal analysis | Research leadership | Excel | Tableau | SQL | Azure AI Search / Prompt Flow | React / Node | PostgreSQL

EDUCATION

Whittier College | B.A., Economics and Theatre | 2016

Johns Hopkins University | Graduate coursework in Health Economics (no degree) | 2016-2017