

Gervaise Henry

VP, Forward Deployed Engineering · Manifold

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SCAN TO SAVE CONTACT

SUMMARY

Forward Deployed Engineering leader and computational biologist — a polymath who works across the full life-science stack: bench science, reproducible bioinformatics, cloud architecture, clinical-grade compliance, and the AI-agent layer now being built on top of it. VP, Forward Deployed Engineering at Manifold.

EXPERIENCE

VP, Forward Deployed Engineering

January 2026 - Present

Manifold

Lead Forward Deployed Engineering at Manifold, the enterprise agent platform for life sciences — responsible for deploying specialist agents into customer environments and owning post-sales technical delivery while staying active in pre-sales.

VP, Head of Data Engineering

January 2025 - January 2026

Champions Oncology, Inc.

Led data infrastructure and management strategy for Champions' research and development efforts, with responsibility for the data platform supporting multi-omics and research data workflows in alignment with FAIR principles.

Head of Professional Services Engineering

June 2024 - January 2025

DNAexus

Led the Professional Services Engineering organization — a global team of 15–20 architects, bioinformatics engineers, services engineers, and contractors across the US, Europe, and Asia — responsible for all technical services delivery on the DNAexus platform.

Manager, Solutions Science Engineering

February 2023 - May 2024

DNAexus

Managed the Solutions Engineering organization through a period of leadership transition, expanding scope mid-tenure to include a subset of the Professional Services engineering team.

Senior Solutions Engineer

August 2021 - February 2023

DNAexus

Individual contributor presales engineer supporting customers globally across all verticals, with particular depth in top-5 pharma and diagnostics.

Earlier Experience

- **Computational Biologist**, UT Southwestern Medical Center · September 2019 - July 2021

- **Research Associate**, UT Southwestern Medical Center · April 2015 - September 2019

SKILLS & CERTIFICATIONS

Top Skills: Solutions Engineering Leadership, Genomics & Multi-Omics Platforms, Cloud Architecture (AWS)

AI & Agent Systems: LLM Application Development, AI Agents, MCP (Model Context Protocol), Claude Code, Agentic Workflows, LLM Evaluation

Reproducibility & Compliance: Reproducible Pipelines, GxP Validation, CLIA, HIPAA, Data Provenance & Lineage

Certifications: AWS Certified Solutions Architect - Associate, AWS Certified Cloud Practitioner, Scrum Alliance Certified Scrum Product Owner

Languages, Operating Systems & Tools: R, Python, Nextflow, WDL, Git, Linux, Bash

Website Development: Static Site Generators, Serverless Deployment, GitLab Pages, HTML5, CSS3, JavaScript

Cloud Platforms: Amazon Web Services, Azure, Google Cloud

AWS Tools: S3, EC2, Batch, Lambda, DynamoDB, API Gateway, Certificate Manager, Route53, CloudFront, CloudTrail, Athena

Container Environments: Docker, Singularity

Biological Modalities: Bulk RNA-seq, Gene Expression Microarray, scRNA-seq, scTCR-seq, Spatial Transcriptomics, Variant Calling, Proteomics (Mass Spec), Molecular Biology Techniques

EDUCATION

American University

Graduated 2014

Masters of Science, Biology

Thesis: Adipocytes, obesity and multiple myeloma

Eckerd College

Graduated 2009

Bachelors of Science, Biomedical Molecular Biology

Thesis: The Search for Novel NF- κ B Inhibitors from Compounds Derived from Marine Invertebrates as Potential Anti-tumor Therapies

SELECTED PUBLICATIONS

1. **Henry GH**, Malewska A, Joseph DB, Malladi VS, Lee J, Torrealba J, Mauck RJ, Gahan JC, Raj GV, Roehrborn CG, Hon GC, MacConmara MP, Reese JC, Hutchinson RC, Vezina CM, Strand DW. A cellular anatomy of the normal human prostate. *Cell Reports* **2018**. doi.org/10.1016/j.celrep.2018.11.086
2. Joseph DB, **Henry GH**, Malewska A, Reese JC, Mauck RJ, Gahan JC, Hutchinson RC, Mohler JL, Roehrborn CG, Strand DW. 5-alpha reductase inhibitors induce a prostate luminal to club cell transition in human benign prostatic hyperplasia. *The Journal of Pathology* **2022**. doi.org/10.1002/path.5857

SELECTED PRESENTATIONS

1. Mohta V, Farhi S, **Henry GH**. From Spatial Transcriptomics to Multimodal Discovery: Scaling AI Driven Genomics on Manifold. *NextGen Omics, Spatial & Data US* **2026**. (Oral Presentation)
2. Sedlakova, A, **Henry GH**. Efficiently Analyzing Population-Scale Genomics Data. *EU Biobank Week* **2024**. (Oral Presentation)

Full publications, presentations, and open-source contributions in the [complete CV](#).