

Health Informaticist Profile

Highly analytical professional with transferable experience in health informatics and data engineering, complemented by strong background in software engineering, IT operations, and project management. In-depth knowledge of scalable systems, security integration, data ETL, electronic medical records systems, and database architecture with passion for optimizing quality and accessibility of healthcare services and transforming healthcare through advanced biomedical informatics and data analytics.

- Passionate about leveraging complex data to drive innovations in healthcare.
- Adept at applying advanced analytics and data management strategies to solve challenging problems in healthcare.
- Capable of synthesizing biomedical information, clinical data, and technological insights to improve patient outcomes, streamline healthcare processes, and enhance decision-making in medical settings.
- Skilled in fostering interdisciplinary collaborations to advance medical research, optimize clinical operations, and contribute to the development of intelligent healthcare systems.

Areas of Expertise

- Biomedical Data Analytics & Visualization
- Health Informatics Systems Design & Implementation
- Clinical Decision Support Systems & Patient Care Technologies
- Electronic Health Records (EHR) Management
- Predictive Modeling & Risk Analysis in Clinical Settings
- Data Security & Privacy in Healthcare Informatics
- Healthcare Quality Improvement
- Database Development & Management
- Informatics Policy Development
- Cross-disciplinary Collaboration
- Stakeholder Engagement
- Project Planning & Execution

Professional Experience

St. James Infirmary, San Francisco, CA

2014 to 2024

Information Technology Manager

Led successful migration of medical records between systems with a focus on ensuring data integrity and seamless transition for healthcare providers. Developed and maintained robust, secure applications using C#, Python, PHP, Perl, and JavaScript to support critical health initiatives, such as COVID-19 vaccine program. Oversaw large-scale systems administration and database management to optimize performance and reliability. Designed and implemented cutting-edge cloud solutions by leveraging Docker for scalable, custom applications. Applied secure programming practices to protect sensitive data and maintain compliance with industry standards.

- Saved tens of thousands of dollars by developing custom software solutions and integrating open-source technologies.
- Enhanced public health and safety through creation of mobile-first applications and community engagement tools.
- Contributed to healthcare IT infrastructure with cost-effective tools for occupational safety and health informatics.

Additional Experience:

Software Engineer at Funny Monkey, Portland, OR

DevOps Engineer at Radical Designs, Oakland, CA

System Administrator at Dark Heart Nursery, Oakland, CA

Firmware Engineer at Free Radio Berkeley, Oakland, CA

Project Manager at March Hare Communications Collective, Portland, OR

System Developer at San Francisco State University, San Francisco, CA

Education & Credentials

Bachelor of Science in Computer Science, Minor in Mathematics | San Francisco State University, San Francisco, CA

Professional Certifications: Cisco CCNA | Oracle Database Administration Professional

Technical Proficiencies: Python, SQL, HL7, FHIR, C, PHP, Perl, JavaScript, Secure programming