Rotherick Tan

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WORK EXPERIENCE

Healthcare.com   **Mar 2022 – Present**

Principal Architect

As Principal Architect, I oversee our core architecture, engineering standards and processes:

- o Led technical design of a new marketplace cloud architecture at HealthCare.com, addressing scalability issues and improving application performance. (AWS Infra, Java, React, Cognito)
- o Architected an online retail pharmacy that was integrated with traditional Rx software, increasing online prescription orders. (AWS Infra, Java, React, Okta)
- o Designed a canonical identity profile system to have a unified view of a customer (Aggregator pattern).
- o Designed a system for distributing Rx savings cards to customers, resulting in a boost in customer loyalty (Event-driven architecture).
- o Led technical reviews and implemented engineering standards for ADRs, reducing code defects by and ensuring compliance with data privacy regulations.
- o Established coding standards for handling PII/PHI data, resulting in no security incidents related to sensitive information.
- o Managed and mentored 4 interns during the summer internship program, resulting in successful completion of key projects.
- o Led a pilot program for 2 engineering teams to use AI tools to enhance their productivity.

Optum/Rally Health   **Feb 2018 - Mar 2022**

Principal Software Engineer

- Developed an enterprise meta-data collection tool on Github, enhancing code repository management efficiency.

- Spearheaded the implementation of Spotify's Backstage as an internal developer information portal, customizing plugins to streamline access to critical resources and reducing onboarding time for new hires.

Senior Software Engineer

- Led the implementation of an eligibility data ingestion system from Optum using Kafka, Scala Play, and Postgres, resulting in a streamlined process for data integration.

- Designed and implemented a scalable solution for ingesting & storing eligibility data from external partners, enhancing data accuracy and efficiency.

- Developed new features for eligibility & authorization processes, improving system functionality and user experience.

Target.com   **June 2014 - Feb 2018**

Lead Software Engineer

- Technical Lead for the Guest Identification Team in Digital Marketing. Digital Marketing allows companies to place ads on Google via Target, using Target's vast customer database.

- Developed Digital Marketing's Data Management Platform (DMP) on Google Cloud Platform.

Senior Software Engineer

- Worked on Target.com website: Recommendations and Review team, Guest Account Management team (login/profiles)

Priceline.com   Aug 2011 – May 2014
Principal Software Engineer

- Architected and designed REST APIs for the retail and NYOP hotel products.

- Worked on mobile APIs and internal tools for marketing..

Legg Mason   Oct 2006 – Aug 2011
Senior Developer Analyst

- Architected and implemented an enterprise-wide managed file transfer solution

Polaris Software Labs   June 2005 – Oct 2006
Consultant

- Supported fixed income batch applications and messaging software for front office trading for Citigroup Asset Management (later Legg Mason)

Ecquaria.com   June 2004 - May 2005
Senior Software Engineer

- Maintained a Singapore government portal website that allows businesses to manage their licenses online.

Accenture.com   Apr 2002 - June 2004
Analyst

- Maintained the website for Singapore Airlines.

- Gathered requirements and architected technical solutions for a modernization project for Singapore's National Healthcare Group.

bluelight.com   July 2000 - Dec 2001
Software Engineer

- Developed internal merchandising tools.

EDUCATION

University of Minnesota, Twin Cities   2000
MSc, Computer Science

Knox College   1995
BA, Computer Science and Chemistry

SKILLS & KEYWORDS (for bots)

- **Skills:** Architecture, Systems Design, Java, Scala, Database, Full-Stack, REST APIs, Leadership, Software Development, Agile Methodologies, Cross-functional Collaboration, AWS, Cloud Native Architecture