

William Araki Sr. Software Engineer

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Senior Software Engineer with 7+ years of experience developing web/mobile applications in several industries like **health care**, **e-commerce**, **B2B SaaS**, and etc. Expertise in all phases of **software development lifecycle** focusing on **high-quality**, **scalable** and **efficient** solutions that meet the needs of customers and stakeholders. Finding new opportunities to grow myself with a company that has **innovative ideas**, **challenging projects**, and **great team culture**.

PROFESSIONAL EXPERIENCE

Senior Software Engineer, *WhatNot*

Sep 2020 – Apr 2024

- Spearheaded the successful launch of a **microservice-based SaaS** Platform, developing a comprehensive launch strategy
- Introduced **DDD**(Domain Driven Design) principles to model complex business domains, resulting in a significant reduction in code complexity and improved maintainability
- Implemented **Event-Driven Architecture** with **AWS EC2**, **SNS**, and **SQS**, improving system scalability and responsiveness
- Migrated **PHP** monolithic application to microservice-based architecture with **Node.js**, **gRPC**, and **PostgreSQL**, resulting in improved system reliability and scalability
- Conducted **indexing** and **caching** techniques to optimize database operations and reduce server load, resulting in a more responsive and reliable system
- Improved the scalability and resilience of data pipeline migrating from **Microsoft SQL Server** to **AWS Snowflake** and implementing **Redis** and **Amazon EFS**
- Integrated the chatbot with backend systems to streamline customer interactions and improve their response time with detailed guidance
- Led the development of large-scale **SPA**(single-page application), leveraging **React** and **Redux-Saga** to deliver efficient and scalable solutions
- Optimized the website performance increasingly by implementing **SSR**(Server Side Rendering) with **Next.js**, **lazy loading**, **code splitting**, and caching mechanism
- Leveraged **A/B testing** using **Split**, to provide a better user experience with an 8% improved conversion rate
- Designed and implemented a comprehensive testing strategy using **Jest** and **Playwright** and planted testing part in front of the **automated CI/CD pipeline** with **Docker** and **Kubernetes** to automate testing and reduce the deployment time
- Established the appropriate **Agile** development process using **Scrum** methodology, which improved communication and collaboration
- Conducted the code review 100+ times and mentored junior developers during their onboarding process

Software Engineer, *Capgemini*

Apr 2018 – Aug 2020

- Designed and implemented **serverless architecture** using **AWS lambda**, **API Gateway**, and **DynamoDB**

- Implemented **micro-frontend architecture** for frontend development to improve the scalability, maintainability, and agility of application
- Integrated third-party **GraphQL** service, **Apollo Client** to **MERN** project for seamless data fetching and state management
- Automated push notification and email system utilizing **Twilio** and **Node.js**, which enabled admin to organize notification schedule to the user via **SMS** automatically
- Developed and maintained CI/CD pipeline with **Github Action**, **Docker**, and **GCR**(Google Container Registry)
- Utilized **React Query** into frontend application effectively retrieving and managing data from multiple sources, improving performance, and creating seamless user experience
- Created documentation for coding standards and best practices in **React** and **Node.js** to shorten the onboarding duration by a week.

Software Developer, Wood Networks

Sep 2017 – Mar 2018

- Implemented **web scraping** techniques to collect and preprocess data from various sources, including social media platforms and e-commerce websites
- Built robust **RESTful API** with **FastAPI** and wrote database schema with **SQLAlchemy**
- Integrated industry-standard protocols like **OAuth2** for user authentication and authorization, to improve security and reduce risk of data breaches
- Produced reusable and generalized components of web applications by translating UI/UX design wireframes into code using **HTML5** and **CSS3**

EDUCATION

Bachelor's degree in Computer Science, University of Dallas

2014 – 2017

SKILLS

Programming Languages: JavaScript/TypeScript, Python, Go, PHP

Frameworks/Libraries: Node.js, Nest.js, Express.js, TypeORM, Sequelize, Gin, Echo, GORM, FastAPI, SQLAlchemy, React(Redux, Redux-Saga, React-Query), Next.js, Vue.js, WordPress, Laravel, Jest, Cypress, Playwright, Chakra UI, Material UI, Tailwind CSS

APIs: RESTful API, GraphQL, gRPC

Databases: PostgreSQL, MongoDB, Redis, MySQL, Microsoft SQL Server, DynamoDB, Snowflake

Infrastructure: Docker, Kubernetes, AWS(EC2, Lambda, S3, RDS, Route 53, SNS, SQS, Event Data Bus, Cloud Watch, Cloud Formation, ECS, EKS, Cognito, IAM), GCP(VM instance, GCR)

Tools: Github, Storybook, Figma, Jira, Split, Mirror, Datadog

LANGUAGES

English • Japanese