Yoshinori Hatori

Senior Full Stack Engineer

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Professional Summary

Senior Full Stack Developer with over 8 years of experience in various industries including **E-commerce**, **Blockchain**, **Healthcare,** and **Finance**. Demonstrated expertise in **designing** and **developing** robust, scalable web applications that meet industry standards, driving business growth and customer satisfaction. Recognized for exceptional **problem-solving** skills, **leadership** abilities, and a commitment to continuous learning and improvement. Demonstrated expertise in guiding cross-functional teams to achieve successful project outcomes.

Skills

Front End: HTML5, CSS, JavaScript/TypeScript, React, NextJS, Angular, Vue
Back End: Node.js, Express.js, NestJS, PHP, Python, Ruby on Rails, MySQL, PostgreSQL, MongoDB, Firebase
Blockchain: Smart Contracts, Web3.js, Ether.js, Decentralized Applications, Token Standards
Testing: Jest, Mocha, Chai, Jasmine, Cypress
DevOps: Git, SVN, Docker, AWS, Google Cloud, Azure, Jenkins, Travis CI, AWS CodePipeline, GitHub Actions, Heroku, Netlify, Vercel

Experience

Senior Full Stack Developer

[Nisolo](#)   April, 2023 – May, 2024

- Leveraged **Agile software methodology**, incorporating **Microservices** and **Event-Driven architecture**, to actively contribute to the development of an **E-commerce platform** using **React**, **Next.js**, **Node.js**, **Python**, **Nest.js**, **GraphQL**, **PostgreSQL**, and **Redis**, resulting in a 20% boost in customer engagement and a 15% reduction in operational costs.
- Spearheaded the implementation of a **design system** and **component library** for the organization utilizing **Storybook**, **Tailwind CSS**, and **Styled Components**, streamlining development procedures and reducing development time by 37%, thereby enhancing overall efficiency.
- Engineered a **CRM service** seamlessly compatible with **Salesforce** and **HubSpot**, empowering customers to efficiently manage inventory, sales tracking, data analysis, and customer relationships, while integrating with popular e-commerce platforms such as **Shopify**, **WooCommerce**, and **Magento**.
- Enhanced performance, security, and user experience through the utilization of **SSR**, **SSG**, and **PWA** techniques, resulting in improved **SEO** visibility, ranking, and a substantial reduction in server load, while leveraging modern web technologies like **WebAssembly** and **WebSockets** for real-time updates.
- Designed and established automated deployment pipelines employing **AWS EC2**, **ECS**, **Code Pipeline**, **S3**, and **Kubernetes**, significantly reducing release time from days to minutes and ensuring high availability and scalability.
- Excelled in managing and deploying web applications efficiently across various cloud service providers including **AWS**, **Google Cloud**, **Azure**, and **DigitalOcean**, utilizing serverless technologies like **AWS Lambda** and **Google Cloud Functions** for cost-effective and scalable solutions.

- Employed rigorous test methodologies such as **TDD** and **BDD**, in conjunction with testing tools like **Jest**, **Cypress**, and **Playwright**, to ensure the robust functionality of web applications, while also incorporating **visual regression testing** with tools like **Percy** and **Chromatic**.
- Actively engaged in **peer code reviews** and provided assistance to fellow engineers using **Git** and **GitHub** Tools to optimize collaborative work processes, while leveraging **CI/CD** best practices and tools like **GitHub Actions** for continuous integration and delivery.
- Implemented advanced security measures such as **OAuth 2.0**, **JWT authentication**, and encryption using libraries like **Passport.js** and **bcrypt** to protect sensitive user data and ensure compliance with industry standards like **GDPR** and **CCPA**.

Full Stack Developer

[Venly](#)   February, 2020 – April, 2023
- Spearheaded the development of an innovative **NFT marketplace API** using **React**, **Next.js**, **Node.js**, **Express.js**, and **Solidity**, incorporating features like user authentication, secure digital wallet integration, interactive NFT listings, and an auction and bidding system, which significantly boosted the company's revenue by 25% within the first year of operation.
- Collaborated with the business team to design, develop, and implement both **Frontend** & **Backend logic** along with **infrastructure** for software applications, leveraging modern web technologies such as **TypeScript**, **GraphQL**, and **WebSockets** for real-time updates.
- Employed **Web3.js** and **Ethers.js** for seamless interaction with **Ethereum blockchain**, and integrated with popular blockchain, resulting in facilitated, efficient, and secure transactions, enhancing the overall user experience.
- Utilized **IPFS** for decentralized storage of NFT metadata and assets, ensuring immutability and persistence of digital content.
- Participated **smart contracts** development using **Solidity** for secure and transparent management of NFT ownership, transfers, and royalty distribution, while adhering to **ERC-721** and **ERC-1155** token standards.
- Achieved a 32% reduction in deployment time and a 43% increase in scalability, using **Docker** and **Kubernetes** for containerization and orchestration, deploying the services to **Google Kubernetes Engine** (GKE) thanks to the **CI/CD pipeline** which used **Github Actions**.
- Used real-time user monitoring using **Datadog** and **Prometheus**, which allowed us to track user behavior and performance metrics in real-time, and used **Sentry** and **Elasticsearch** for error tracking and log management.
- Developed and maintained **Infrastructure as Code** (IaC) using tools such as **Terraform** and **Pulumi**, ensuring consistent and repeatable provisioning of resources across multiple environments.
- Realized comprehensive **Unit**, **Integration**, and **E2E test** cases using **Jest**, **Mocha**, and **Cypress**, ensuring robust functionality and maintainability of the NFT marketplace API.
- Collaborated with blockchain security experts to conduct smart contract **audits** and **security assessments**, identifying and mitigating potential vulnerabilities and risks associated with NFT transactions and storage.

Full Stack Developer

[OivaHealth](#)   October, 2017 – December, 2019
- Developed and maintained **Electronic Health Record** (EHR) systems, incorporating **Blockchain**, **cryptography**, and **AI** for enhanced security, data integrity, and predictive analysis while reducing manual errors, and integrating with databases like **PostgreSQL and MongoDB** via **RESTful APIs** for seamless external system interaction.
- Implemented a scalable **microservices architecture** using **Node.js**, leveraging its **lightweight runtime** and **non-blocking I/O** for efficient resource utilization and concurrent task handling, utilized frameworks like

Express.js and Nest.js for building robust and modular server-side applications, and incorporated message queues like Google Pub/Sub and Kafka for reliable inter-service communication.

- Utilized **React**, **Angular**, **TypeScript**, **HTML**, and **CSS** for building interactive and responsive user interfaces, implemented modern UI design patterns and best practices to enhance usability and accessibility, leveraged state management libraries like **Redux** and **NgRx** to maintain centralized application state and facilitate efficient data flow between components.
- Applied big data processing frameworks like **Apache Spark** and **Hadoop** for efficient handling of large volumes of healthcare data, resulting in a 40% increase in data processing speed, and performed real-time analytics using tools like **Elasticsearch** and **Kibana**, leading to a 25% reduction in response time for generating insights and actionable healthcare decision-making.
- Enhanced application performance by implementing **Cloudflare's CDN** and **load balancing** services; achieved a 20% reduction in page load times and boosted server scalability by 26%, significantly improving user experience.
- Collaborated with cross-functional teams, including healthcare professionals, UX designers, and product managers, to gather requirements, design intuitive workflows, and deliver high-quality software solutions, utilizing **agile development methodologies** like **Scrum** and **Kanban** for efficient project management and iterative development, and employing version control systems like **Git** for effective collaboration and code management.

Frontend Developer

WorkPilots   July, 2015 – August, 2017

- Integrated **third-party APIs**, such as **payment gateways**, **social media platforms**, and **mapping services**, working closely with API providers and documenting integration processes using tools like **Swagger** and **Postman**, utilized **JavaScript libraries** like **Axios** and **Fetch API** for seamless API communication.
- Leveraged **React** framework for developing robust and scalable **Single Page Applications** (SPAs), utilizing Angular features such as **components**, **services**, **directives**, and **modules**, while implementing responsive web designs using **HTML5**, **CSS3**, **JavaScript**, **TypeScript**, and **UI frameworks** like **Bootstrap** and **Material Design** to ensure a seamless and intuitive user experience across various devices and screen sizes.
- Transformed **Figma** designs and **wireframes** into high-quality, user-friendly, and responsive user interfaces using **Angular component-based architecture**, **CSS preprocessors** like **Sass** and **Less** for efficient styling management, and **Angular**'s powerful data binding and templating features to create **dynamic** and **interactive UI components**.
- Implemented **pixel-perfect** designs using **CSS** techniques such as **Flexbox** and **CSS Grid** for precise vertical alignments and consistent visual experiences across all devices, while optimizing UI performance through **lazy loading**, **code splitting**, and efficient **rendering techniques**, resulting in a 30% boost in mobile conversion rates.
- Collaborated with backend developers in designing and implementing **RESTful API** services using technologies like **Node.js**, **Express.js**, and **MongoDB**, and worked alongside **API documentation tools** like **Swagger** and **OpenAPI** to effectively define and communicate API contracts.
- Utilized modern frontend build tools and workflows like **Webpack**, **Babel**, and **NPM** to streamline development processes, optimize code bundling, and ensure cross-browser compatibility, while implementing version control using **Git** and collaborating with team members on platforms like **GitHub** and **Bitbucket**.
- Implemented **client-side form validation** using React's custom hooks and libraries like **Formik** and **Yup** for data integrity and user input validation, while leveraging third-party libraries for internationalization (**i18n**) to create multilingual applications and support localization requirements.
- Employed client-side security measures, such as **input validation**, **XSS protection**, and **CSRF prevention**, to safeguard against common web vulnerabilities.

Education

Bachelor's Degree of Computer Science, **Kyoto University**, 2010 - 2014