

# Alexander Bhojwani

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## TECHNICAL SKILLS

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**Languages:** Python, Javascript, Typescript, SQL

**Frameworks:** Vue, React, NextJS, FastAPI, SQLAlchemy, Prisma, Tailwind, MaterialUI, DaisyUI, ThreeJS

**Developer Tools:** nginx, Docker, Ansible, Terraform, AWS, DigitalOcean, Github, Bitbucket, Cypress, PostgreSQL, Tableau, Adobe CC

**Certifications:** AWS Certified Cloud Practitioner, Tableau Desktop Specialist

## EXPERIENCE

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### Front End Developer

2022 – Present

*SmilePepper*

*Singapore*

- Developed SmilePepper, an ecommerce marketplace and media platform using Vue3, Typescript and Wordpress
- Led collaboration with UI/UX team to identify the needs of key stakeholders, developing overarching design guidelines to address major pain points and reduce accessibility related tickets by almost 80%
- Optimised DigitalOcean cloud deployment architecture to balance high quality development and user experience with cloud expenditure, reducing monthly costs by 50%
- Implemented common UI component library with Figma, TailwindCSS and DaisyUI to standardise frontend design and increase development efficiency
- Automated frontend end to end and component testing into Bitbucket CICD pipeline using Cypress to reduce manual QA requirements

### Consultant (Digital Transformation)

2018 – 2022

*Foodalicious Concepts*

*Singapore*

- Sole developer of digital solutions for the Chunky Lobsters and Chunky Crabs brands
- Designed, developed and deployed brand websites using Figma, Adobe CC and Wix, servicing over 5000 monthly visitors
- Developed online ordering and database system using Google forms integrated with Google Sheets, removing manpower overheads and creating a new revenue stream accounting for 30% of daily revenue and 90% of pandemic-era revenue
- Implemented data storage and resilience through automated backups of thousands of customer and transaction data points across 3 outlets using AWS S3, AWS CLI and Python
- Developed easy to follow SOPs, training management and outlet staff to leverage digital solutions to increase manpower efficiency across 3 outlets

## PROJECTS

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### SpendSplit | *NextJS, React, Typescript, MaterialUI, Prisma, PostgreSQL, Vercel*

- Developed a full-stack expense tracker using NextJS, React, Typescript and PostgreSQL
- Automated QA by integrating Cypress end to end testing into Github CICD pipeline
- Implemented image upload and storage to AWS S3 to minimise media storage costs
- Leveraged Lighthouse to implement SEO, optimise JS bundle and media sizes by 90%, and implement accessibility best practices to increase page speed score and reduce suboptimal user experiences

### Hilo | *Vue3, Typescript, Python, FastAPI, SQLAlchemy, PostgreSQL, DigitalOcean*

- Developed production-ready game app with user authentication, persistent game scores, and custom audio and graphics, deployed with SSL protection
- Ensured continued function of backend processes during development by implementing unit and integration testing using Pytest
- Developed CICD pipeline to automate code quality checking and test coverage using pre-commit hooks, Github Actions and CodeCov
- Automated Docker image updating, cloud provisioning and app deployment to an AWS EC2 instance using Docker, Terraform, Ansible, Github Actions and AWS

## EDUCATION

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### Singapore Management University

*Bachelor of Science in Economics*

Singapore

2015 - 2020