BRYAN LEUNG
FULL STACK DEVELOPER

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BACKGROUND

Software Engineer with 3+ years of experience in full-stack development, specializing in scalable backend microservices, data pipelines, and cloud architectures using AWS and GCP. Focused in building automation tools for marketing agencies, including social media scraping, explored ETL processes, and machine learning integrations for recommendation systems. Strong problem-solving and troubleshooting skills. Start-up experience equipped me excellent communication and collaboration abilities, including presenting technology strategy to executives.

SKILLS

Programming Languages:

Python, TypeScript, JavaScript, CSS, HTML, PHP, C#, Java, SQL

Frameworks / Tools:

React.js, Next.js, Node.js, Less, Ant Design, Tailwind CSS, Flask, Selenium, MySQL, MongoDB, Jupyter, Docker, Kubernetes, AWS, GCP, VS Code, Visual Studio, Postman, Bitbucket, GitHub, Jira, Slack, Trello, Figma

WORKING EXPERIENCE

Software Developer   May 2022 – Current

ESSAA Ltd.

- Developed social media scrapping pipeline in **microservice architecture** on cloud platform (**AWS/GCP**) to deliver high reliability services, accumulated for more than **5 million records** including textual and image data.
- Built and maintained full-stack applications featuring a **Next.js** analytics dashboard with **Tailwind CSS** for marketing agencies, transforming raw scraped data into actionable insights for campaign optimization and influencer performance tracking.
- Automated event campaign reporting workflows using **n8n**, generating PowerPoint slides for marketing agencies and reducing manual screen-capture tasks from hours to minutes, streamlining client deliverables and enhancing operational efficiency.
- Implemented event-driven workflows with **AWS SQS/SNS** and **GCP Pub/Sub** to streamline scraping and data processing, incorporating proxy rotations and scalable designs for handling high traffic.

Frontend Developer   Jun 2021 – Feb 2022

Mouxidea Limited

- Developed web-based **CMS applications** for an NGO service unit with **1000+ users** and **50+** service centers, using **Gatsby.js** and **Ant Design** to deliver visually appealing data presentations and seamless user experiences.
- Developed reusable components with **CRUD** operations, streamlining content management workflows and allowing for efficient data handling.
- Followed **agile** methodologies as part of a cross-functional team, contributing to the timely delivery of resulted in project timelines improvement and defect resolution efficiency.
- Integrated third-party tools like Survey.js for survey dashboards, drafting, session reservations, barcode scanning, and version control, improving user engagement and operational efficiency.

CERTIFICATE

AWS Certified Solutions Architect - Associate certification   Jun 2024

EDUCATION

Bachelor of Science (Hons) in Computer Science, Second Class Honors, Division 1   2018 – 2022
The Hong Kong Polytechnic University