London, United Kingdom
(+44) 7783602996
azfar.ghazian@gmail.com

Ghazian Azfar

Software Engineer

GitHub: ghazian
Portfolio Site
LinkedIn: ghazian

As a Software Engineer with experience in developing customer-centric and business-focused applications, I am dedicated to creating user-centered solutions that prioritize intuitive design and seamless user experiences. My expertise in Typescript and React, coupled with my knowledge of designing, maintaining, and developing large-scale production applications, allows me to contribute to in-depth architectural decisions and ensure a consistent rate of delivery in an agile environment.

Work Experience

Mid Software Engineer **Jan 2024 — Present**
IMG Arena *London, UK*

- Introduced design principles to create reusable components, ensuring **consistent UI/UX design standards** across **2 product lines**. This improved the overall design and made it easy for team members of all skill levels to compose and extend components.
- Developed the company's first **data and table visualization** package, which includes a suite of customisable widgets and themes. This package is now used throughout the organization and externally.
- Introduced team practices that helped us move faster, such as **Pair Programming**and **Mob Sessions**.
- Designed and implemented high-performance APIs, optimizing server-side data processing and achieving a **50% decrease in data retrieval speeds**.
- Collaborated with other functions of the tech team to ensure continuous communication and adherence to best practices.
- Successfully implemented **Redis** as an in-memory caching solution for heavy API calls, **reducing response times by up to 200%**.
- **Mentored and onboarded** graduate team members through a mentor buddy program, facilitating their integration into the team.
- Led the coordination and delivery of 10+ engaging internal presentations, nurturing a **culture of continuous learning and collaboration** by encouraging team members to share insights, best practices, and drive innovation.

Junior Software Engineer **Jul 2022 — Jan 2024**
IMG Arena *London, UK*

- Leveraged Kubernetes health checks and Datadog metrics to ensure the **resiliency and reliability** of microservices. Created Datadog dashboards to monitor application health and configured monitors for alerts.
- Actively wrote tests, integration/unit with **Jest** and E2E tests with **Playwright** and **Mock Service Worker** (MSW), I also wrote our test environment through MSW, mocking WebSockets, GraphQL, REST API responses.
- Implemented state management in our React application to streamline network performance, resulting in a **40% decrease in latency across** thousands of WebSocket messages, GraphQL and REST API integrations, ensuring a seamless user experience.
- Developed the applications **CI/CD**, ensuring that every branch on the latest commit triggers continuous integration for tests, UI deprecation, and network health.

Consulting Intern **Sept 2018 — Dec 2018**
Deloitte *Jakarta, IDN*

- Created a Python script to assess workflow documents, extract vital metrics, and streamline manual tasks, resulting in a 2-hour reduction in work time per cycle.
- Facilitated workshops with key client stakeholders VP/Manager level to uncover pain points and potential use-cases/requirements of the transformation program.

Education

Master of Science in Computer Science, *University of Glasgow | Aggregate 2:1* **Jan 2021 - Jan 2022**
Bachelor of Technology in Computer Science, *University of Binus | Aggregate 2:1* **Sept 2015 - Jan 2020**

Technical Skills

Languages	Python, JavaScript, TypeScript, Go
Databases	PostgreSQL, DynamoDB, MongoDB
Back End	Kubernetes, Docker, AWS, Terraform (IaC), GraphQL, WebSockets, REST API
Test	Jest, Testing Library, Playwright
Web Development	React, MUI, NextJS, TypeScript, TailWind, Styled Components, Node.js, Remix, Zustand, Zod
Skills	Clean Code, Extreme Programming, CI/CD (Github Actions) & Accessibility

Projects

BIG DATA CORESET CONSTRUCTION IN K-MEANS PROBLEM **Jan 2022**

- Created a lightweight coreset construction for K-Means problem along with 3 algorithms based on the works of [1][2][3], to reduce the amount of space time complexities machines currently use when clustering K-Means problem of large data sets. **Platforms** - Python, NumPy, Matplotlib (data visualization), Pandas, Shell Scripting and Tensor Flow.

Other Projects include - Real time bike sharing web application with **Flask**; Using Artificial Intelligence to play Flappy Bird using **Neural Network** and **Genetic Algorithms**.