



# John Mikel Amiel Barrera Regida

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## SUMMARY

Career-shifted Full-Stack Senior Software Engineer with a keen-eye for aesthetics (from graphic designing), and scalability, automation and optimizations which prioritises delivering value.

Strong passion for building and innovating in technologies that people will delight and enjoy using.

## EXPERIENCE

### Developer - Lead Consultant | Thoughtworks

September 2021 - Present, London, United Kingdom

- Tech Lead and Tech Principal of the DfT account, maintaining DfT's publicly available NaPTAN dataset
- Contributed and helped develop a Framework for best practices in building Mobile Micro-Frontends powered by React Native for 100+ internal developers from multiple vendors for a certain oil and gas company.
- Lead a team in building several Mobile Micro-Frontends powered by Backend-for-Frontends using IaC tools, such as AWS CDK, for a mobile app to be used in 2 major European markets for 100,000+ users encompassed by a certain oil and gas company.
- Built several pipelines to expedite testing, publishing, e2e testing in multiple environments (dev, qa, integration, prod) for the Mobile Micro-Frontend.
- Championed TDD approach, coach and mentor pair/pairs, provide critical feedback on code quality, and schedule regular desk-checks per finished feature to help ensure code quality.
- Tools/Frameworks used: React, React Native, Typescript, Lerna, Nx, NodeJS, GraphQL, AWS CDK, Azure, Azure DevOps, Sonarqube, Checkmarx, Detox, Appium.

### Senior Software Engineer | Five Faces / Cloudstaff

August 2020 - August 2021, Brisbane, Australia / Clark, Philippines

- Built a Full-Stack Canva/Adobe Illustrator-like Kiosk/Audio Video flow builder for usages within 100+ hospitals through a well-known Healthcare Software Solutions in Australia (kind of like a web interface for building an app for a Kiosk or AudioVideo equipment)
- Built a Frontend and ticker for a CoVID-19 vaccination software used by a certain government in Australia for their immediate vaccination scheme for their 5 million+ residents.
- Lead a team in revamping a semi-SaaS application to utilize modern and sophisticated Front-End technologies and setting the direction and innovated on the team's UI / Frontend that increased client base by a huge degree.
- Tools/Frameworks used: React, Typescript, NodeJS, Java, Spring, MySQL, MongoDB, AWS, Microservices, Websockets, ActiveMQ, TailwindCSS, Chakra UI.

### Lead Developer / IT Intern | GOOD COMPUTERS UK & GOOD ADVICE UK

April 2019 - March 2020, London, United Kingdom

- Initially developed and architected Good Law Software (GLS), a SaaS-based Legal Practice Management Software, used internally, became a software that expedited and streamlined internal legal processes managing 15000+ cases (using Javascript, VueJS 2, .NET Web APIs / .NET Core, SignalR, SQL Server, Elastic Search, NodeJS, Azure).
- Built an internal chat system (based on RocketChat) that integrates with GLS, expediting internal conversations and enabled deeplinking to cases within conversations among 30+ users.
- Integrated calendar and email syncing through services through IMAP and integrated real-time synchronisation within users through WebSocket (using SignalR) of relevant updates per user within GLS. Developed multiple Web APIs to provide data for frontend UI and enabled synchronization of data across multiple clients.

### IT Professional / CTO | Tashgeel Group

November 2017 - April 2019, Doha, Qatar

- Managed group's (8+ companies) IT assets, services and infrastructure that provided structure and modernisation to their IT department.
- Manage and build web applications and internal tools that increased the group of companies' (8+ companies) visibility, streamline processes and expedite file and data sharing and intra communication (e.g. React/Angular, Ionic, GraphQL and MongoDB).
- Managed the support and assistance in all IT-related tasks and issues in a well-tracked manner.
- Tools/Frameworks used: JS, React, HTML, PHP, jQuery, AWS, Azure, GCP, Angular, Firebase/Firestore (Beta), ReactiveX.

### Technical Officer | Shield Technology

March 2016 - November 2017, Doha, Qatar

- Developed a comprehensive support system for a variety of operation-related software by troubleshooting issues and training users in their use.
- Developed proposals for enhancing security for companies in the cyber-space whilst providing a reliable support scheme (e.g. penetration-testing, software auditing)
- Craft bespoke software solutions for clients using ReactJS powered by Azure backends, or in full stack PHP.

### IT / Graphic Designer | Sharq Law Firm

July 2015 - January 2016, Doha, Qatar

- In charge of improving, maintaining, supporting and operating all IT assets of the law firm.
- In charge of conceptualizing, designing and creating graphics for the law firm's branding (both internal and external) as well as for (inc. managing and operating) the law firm's social media sites.

## **IT Manager / Graphic Designer | International House Doha**

February 2015 - July 2015, Doha, Qatar

- In charge of improving, maintaining, managing and operating all the IT assets of the school as well as supporting its users. In charge as well of handling the internal and external branding of the school to generate revenue streams by advertising the school.

## **EDUCATION**

### **Masters Degree in Computer Science | Arizona State University**

Tempe, Arizona, United States of America

### **Bachelor of Science in Computer Science | University of the People**

Pasadena, CA, USA, 2020

### **Bachelor of Science in Computer Engineering | University of the Philippines**

Diliman, Quezon City, Philippines

### **Class Salutatorian | Information and Communication Technology High School**

City of San Fernando, Pampanga, 2010

## **SKILLS**

AI Tools: Cursor, Claude Code, Claude Code Skills, Codex

Programming Languages / Frameworks: TypeScript, Bun, NodeJS, Java, Python, Rust, C#, C, C++

Aspirations: Functional Programming, Zig, Rust, Go, Scala, Haskell, Clojure, OCaml, F#, ReasonML, Kotlin, Elixir, Machine Learning, Build ML Pipelines

DevOps & Platforms: CI/CD, AWS CDK, Docker, Kubernetes, Terraform

Web / Frontend: ReactJS, Angular, VueJS, NextJS, Remix, esbuild, Webpack, D3, ThreeJS, Web APIs, RxJS, Redux, CSS-in-JSS, CSS,

Mobile Development: iOS, Android, Swift, Objective C, Java, Kotlin, React Native, Ionic, Flutter, Realm

Serverless: AWS CDK, Cloud Functions, AWS (the essentials - Lambda, Gateway, CloudFront, AppSync, CloudWatch, CloudTrail), MongoDB Atlas, Firebase, Supabase, Hasura,

Databases: MongoDB, SQL Server, MySQL PostgreSQL, Redis

Package Managers: Yarn, NPM, Leiningen, Cargo

Testing: React Testing Library, MSW, Puppeteer, Jest, Cypress, Appium, Detox

API Tools: REST, WebSockets, React Query, GraphQL, Apollo, Axios,

Methodologies: TDD, BDD, Pair Programming, Scrum, Agile/Lean methodologies, Kanban,

Utilities: Git, VSCode, IntelliJ, NeoVIM, Lerna, Nx

Roles: Tech Lead, Senior Developer, DevOps, Architect, Resident Geek