Edward Brodski
Frontend-Centric Full Stack Developer

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Passionate Full Stack Developer with 2 years of commercial experience developing KYC and web3 applications using a NodeJS, TypeScript, React, and GraphQL tech stack, complemented by over 7 years of extensive experience in software development, encompassing Data Analytics and diverse application projects. Additionally, I have achieved a Master's degree in Computer Science at Queen Mary University of London.

Work Experience

Project Manager — **Jun 2022 — Sep 2022**
NDB — Remote

- Led the design team in optimizing workflows and task descriptions, ensuring seamless project execution from concept to implementation
- Administered community resources and spearheaded the development of custom Discord and Telegram bots, enhancing marketing outreach and community engagement.
- Led the restructuring of the Kanban system, replacing irrelevant tasks with current, actionable items to align with business goals.
- Conducted comprehensive evaluations of completed work, scrutinizing user interaction, security, and performance to uphold high-quality standards.
- Successfully optimized the code review process, achieving a 100% improvement in turnaround time for approvals and significantly enhancing efficiency in the development cycle.

Frontend Developer — **Aug 2020 — Feb 2022**
OptimumSoftware — Remote

- Specialized in front-end development using React: crafted a custom UI library, designed input interfaces, and optimized cross-device scaling to ensure responsive and consistent user experiences.
- Collaborated in the expansion of the internal GraphQL API systems, adding new queries to support evolving application needs.
- Worked with designers to refine the quality and presentation of information across multiple web platforms.

Projects

Context-Free-Grammar Equivalence Research Project, Python, NumPy, Pandas — **Jun 2021 — May 2022**
- Produced the first Open Source implementation of a state-of-the-art algorithm for evaluating grammar equivalence.
- Developed testing methods for the evaluation of different approaches presented by other works as well as my own.

Personalized Finance Assistant, Python, Pandas, Tk — **Aug 2022 — Jul 2023**
- Developed infrastructure to ingest and unify different transaction streams into a single database.
- Implemented an integrated labelling and tagging system.
- Designed and produced a GUI application for the classification and analysis of data providing an integrated view of graphics and tables.

Intelligent Early Wildfire Detection, Python, Pandas, PyTorch — **Sep 2022 — Jun 2023**
- Researched Wildfire smoke patterns and developed as system for automatically generating fire patterns for AI training and testing.
- Carried out Data Analysis and validation for the generated datasets.
- Trained a final model which reached an accuracy of 96.72%.

Snake Evolution, Python — **Mar 2019 — Oct 2020**
- Designed a flexible grid based ecosystem with a graphical output.
- Developed a gene system and offspring gene randomization for the snakes.
- Added data analyzation systems such as live graphs and decision visualizations.

Education

MSci Computer Science — First-Class, Queen Mary University of London — **Sep 2019 — Jul 2023**
Senior School, Millfield, Computer Science — A*, Further Mathematics — A, Mathematics — A*, Physics — A — **Sep 2017 — Jun 2019**

Technical Skills

Programming Languages	Python, TypeScript, JavaScript, C++, Java
Technologies	NodeJS, React, React-Native, HTML, CSS, NumPy, Pandas, PyTorch, REST, GraphQL, AWS
Tools	Git, GitHub, Linux, Docker, Fusion 360, Jira, Figma, ClickUp
Profesional Skills	Communication, Organisation, Analytical thinking, Creativity and Innovation, Accountability
Additional Courses	MHFA(Mental Health First Aid) England **Completed in Jan 2023**