BENCE LUO

Software Engineer | Specializing in Full Stack Development | Building Scalable Web Applications

@ bence.luo899@Gmail.com   📞 +44 - 07766151388   📍 London, UK   🌐 bence899.github.io   bence899

📄 Mern Chat App   📄 Pathfinding Visualizer   in bence-luo

PROFILE

Full Stack Engineer proficient at architecting scalable and high-performance applications using React, TypeScript, Node.js, and GraphQL. Proven track record in modernizing legacy platforms, conducting impactful experiments to optimize user satisfaction, and effective collaboration in cross-functional teams. Guided by an ethos of "you build it, you run it," taking ownership of applications end-to-end, from development to deployment and monitoring.

EXPERIENCE

Full Stack Engineer

Britnine Advanced Technologies,

📅 Mar 2024 – Present   📍 London, UK

- Led the development and launch of client-facing dApps using Web3 technology and smart contracts.
- Increased users' transparency and reduce Managed to reduce transactional costs by 20%.
- Creating custom blockchain integrations with the focus on user authentication and data privacy. (Typescript, Node.js, React, Blockchain, AWS, Docker, Kubernetes)

IT Officer / Project Manager

SGM-FX

📅 Nov 2023 – Jan 2024   📍 London, UK

- Operated the web content management at SGM-FX, which resulted in improved media performance and user experience. (WordPress, HTML, CSS, JavaScript, Azure Cloud)
- Conducted project coordination with development teams to make sure enhancements and updates get completed in a timely manner.

Web Developer

Imperial College London

📅 Nov 2022 – Nov 2023   📍 London, UK

- Developed an online platform for student petitions using PHP, SQL, and Drupal, reducing processing time by 40% for more than 5,000 users.
- Improved scalability in the system by 30% by migrating the legacy systems to React and Docker, improving performance and increasing users' capacity. (Technologies: JavaScript, React, Docker, PHP, SQL, Drupal)

Software Engineer

Qulto International

📅 May 2021 - May 2022   📍 Szeged, Hungary

- Developed a Plagiarism-tool using Jaccard-Min-hash algorithm used to find similarities within documents. Implementing a highlighting feature to show any plagiarism on the front-end.
- Developed a fully functional AR application providing interactive information on museum images deployed on both ios and android. (Technologies: Java, Spring Boot, Unity, C#, AngularJS)

EDUCATION

BSC Hons in Computer Science

University of Westminster

💼 Grade: 1st Class Honours

INTERNSHIPS

NetLogus, Software Engineer
Jul 2022 - Nov 2022 London, UK

- Implemented automation features where a lot of backend processes were worked out to further enhance workflow efficiency and reliability. (Technologies: JavaScript, React, Node.js)

Rolls Royce, Operations and Control
Jul 2018 - Oct 2018 Bristol, UK

- Improved inventory through better tracking and reporting of parts inventory within SAP, identifying inconsistencies, and implementing solutions for improved logistical efficiency.
- Collaborated with the engineering teams to understand the workflow for engine repairs, and got hands-on experience with RFID technologies for advanced component tracking and data handling.

RAL Space, Front-End Developer
Aug 2015 - Nov 2015 Oxfordshire, UK

- Enhanced the functionality of scientific data processing over web applications by developing its front-end in Python, hence greatly improving data compression and delivery in the 'autoreduce' project.
- Working with Git and GitHub for collaborative codebases, code reviewing, and issue tracking that smooths out development processes and maximizes team efficiency.

Rutherford Appleton Laboratory, XML Researcher
Jul 2014 - Sep 2014 Oxfordshire, UK

- Advanced the Mantid project by documenting pulsed neutron and muon sources, creating comprehensive guides on XML schema that will help people visualize and analyze complex scientific data.
- Built a foundation of skills in Python programming by developing graphics applications and mastering technical documentation that contribute to better representation of data and user understanding.

PROJECTS

Software Engineer
Harrods

📅 Sep 2018 – Jan 2019   📍 London, UK

- Provided detailed information about tech products, skillfully handling customer inquiries, complaints, and assisting in product selection to meet customer needs.
- Maintained a friendly and calm demeanor, even when dealing with challenging complaints, ensuring customers felt valued and respected.
- Successfully handled VIP clients, quickly achieving positive outcomes and resolving complex issues to enhance customer satisfaction.
- Adapted to the fast-paced and ever-evolving environment of the Harrods shop floor, mastering the ability to prioritize tasks while consistently delivering high-quality service.

SKILLS

Back-End Development
Node.js, Java, Python, PHP, C#, RESTful APIs, WebSocket, Microservices, Serverless Functions

Front-End Development
HTML5, CSS3, JavaScript, TypeScript, React, Next.js, AngularJS, Vue.js

Database Management
MySQL, MongoDB, PostgreSQL, Amazon Redshift, NoSQL

Cloud & DevOps
AWS, Azure, Docker, Kubernetes, CI/CD Pipelines, Terraform

Version Control & Collaboration
Git, GitHub, GitLab

Soft Skills

- Exceptional communication skills, ensuring clarity and understanding across cross-functional teams and stakeholders.
- Strong emotional intelligence, fostering productive collaborations and understanding user needs.
- Adept at problem-solving, approaching challenges with a solution-oriented mindset to deliver impactful results.
- Proven adaptability and eagerness to embrace new tools and methodologies in fast-paced environments.
- Highly organized with excellent time management, meeting deadlines while maintaining high-quality outputs.
- Self-motivated and confident, continuously seeking opportunities to grow professionally and improve skillsets.

Mern Chat App
Technologies: MongoDB, Express.js, React, Node.js, Vue.js, Socket.IO

- Built a real-time chat web application to establish seamless communication between users. Aimed to create a platform for private, smooth, and fast messaging with features such as real-time updates, online/offline indicators, and secure data handling.

Pathfinding Visualiser
Technologies: JavaScript, React, HTML5, Canvas, CSS3

- Developed an interactive visualizer tool to make complex pathfinding algorithms like Dijkstra and A* more accessible and engaging. This educational tool allows users to visually understand complex algorithms in an intuitive way.

INTERESTS

Smart Home Projects

- Passionate about transforming my home into a high-tech haven, I design and implement custom smart home systems that blend comfort with cutting-edge technology.

Video Editing and Content Creation

- I bring stories to life through video, capturing and editing moments with a creative touch. From concept to final cut, I enjoy crafting content that resonates with viewers.

Engaging with Tech Communities

- Active in tech circles, I love exchanging ideas, exploring innovations, and staying at the forefront of technology by connecting with like-minded enthusiasts.

Magic Tricks

- Fascinated by the art of illusion, I practice magic tricks to astonish friends and family, creating moments of wonder and mystery in the everyday.

Chess

- An avid chess player, I enjoy the mental challenge of the game, strategizing moves and uncovering new ways to outwit opponents on the board.