Jake Boychenko

Staunton, VA 24401 | **contact@jakeboychenko.com** | **LinkedIn** | **Portfolio**

Mid-level full-stack engineer with a track record of leading the backend development of 5+ successful enterprise projects. Creator of **Flood**, an open-source framework revolutionizing Flutter app development. Proficient in Flutter, Next.js, and Java. Proven ability to mentor teams, optimize processes, and deliver high-quality, scalable solutions. Passionate about leveraging cutting-edge technologies to solve complex problems and create transformative user experiences.

Experience

Mid-Level Software Engineer | BigBear.ai | August 2023 – Present

- Developing and implementing full-stack features for government-critical, high-traffic web applications using Apache Struts, JSP, and SQL.
- Optimizing database queries using proper indexing and join techniques to enhance user experience, functionality, and system performance.
- Resolving critical performance and reliability bugs in legacy codebases, collaborating with developers to deliver effective solutions.
- Actively participating in an agile team of 10, working closely with engineers, testers, and managers to meet deadlines.

Software Engineer II | Brightspot | June 2021 – May 2023

- Spearheaded backend development and migration of high-profile enterprise projects, guiding junior team members and ensuring successful project delivery.
- Customized CMS backend, integrating APIs and external services like AWS and Google Analytics to optimize content management processes.
- Managed release cycle for 7+ projects, ensuring smooth deployments to EC2 and Kubernetes environments and promptly addressing issues.
- Mentored a summer intern for 3 months, contributing to their technical growth, career development, and successful project delivery.

Freelance Developer | JLogical | August 2020 – Present

- Established a successful freelancing side-business specializing in full-stack Flutter and Unity mobile app development for long-term clients.
- Architected robust and maintainable solutions using Flutter (with Flood) and Unity, ensuring optimal performance, scalability, and user experience.
- Mentored a junior developer, introducing best practices like TDD, Agile methodologies, and effective project management using Trello.
- Developed engaging marketing websites for freelance projects using modern web technologies such as Next.js, Tailwind CSS, and Sanity CMS.
- Provided ongoing technical guidance and support to clients, maintaining strong relationships, delivering high-quality solutions, and assisting with effort estimation.

Skills

- **Programming Languages:** Dart, TypeScript, Java, C#
- **Frameworks:** Flutter, Next.js, Apache Struts, Unity
- **Backends & Databases**: Firebase, AWS, Appwrite, SQL
- **Tools**: Github, Docker, Kubernetes, Fastlane, Jira
- **Methodologies**: Agile Development, CI/CD, Test-Driven-Development, Clean Code

Projects:

- **Flood:** https://www.flooddev.com Flood is an extensive framework for Flutter and Dart that I have developed, offering a wide range of modules to streamline and enhance every aspect of Flutter app development. With over 90 newsletter subscribers, successful app showcases, and seamless integration with tools like Firebase and Mason, Flood empowers developers to create high-quality Flutter applications efficiently.
- **Sign Partner Pro:** https://www.signpartnerpro.com/ Sign Partner Pro (SPP) and SPP Lite revolutionize the sign industry by leveraging AR and 3D models, allowing users to visualize and interact with signs in real-space. With custom video uploads, seamless quotations, and comprehensive project management tools, SPP streamlines the sign buying and selling process for end-users and sign companies alike.
- **SafeAlone:** https://www.safealoneapp.com/ SafeAlone is a comprehensive safety app that has garnered local news coverage and amassed over 1,500 registered users. With its innovative "Alert Mode" feature, SafeAlone provides users with a sense of security by allowing friends to monitor their real-time location and receive critical notifications in emergency situations.
- **Valet Budget:** https://www.valetbudget.com/ Valet is a groundbreaking financial management tool designed to revolutionize personal budgeting, catering specifically to individuals with fluctuating incomes. With features like customizable envelopes, allocation rules, transaction tracking, and insightful data analysis, Valet empowers users to take control of their finances and make informed decisions.
- **Portfolio**: https://www.jakeboychenko.com/ My portfolio website showcases my professional work and blog posts, demonstrating my mastery of web design and backend development. Built with Next.js, TypeScript, Tailwind CSS, and Sanity CMS, it features a custom page builder for easy content updates and utilizes SSG, SSR, and incremental static rendering for optimized performance.
- **Chess++:** https://store.steampowered.com/app/1388760/ Chess++ is an innovative 3D chess game that reimagines the traditional chess experience in a three-dimensional space. Released on Steam, Chess++ has been purchased by over 150 individuals and has received universally positive reviews, showcasing its engaging gameplay and high-quality execution.

Education

Bachelor of science | May 2021 | James Madison University

- Major: Computer Science; Minor: Mathematics