Daniel Jelčić

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Work Experience

Bloomberg L.P.   **New York City, NY**
Software Engineer, Instant Bloomberg   *July 2021–July 2024*
- Developed, maintained and tested critical software components of Bloomberg's flagship Instant Bloomberg (IB) product, enhancing real-time communication workflows for 300K+ financial professionals daily and contributing to 500K+ annual licenses
- Evolved IB's integration applications and services in TypeScript/JavaScript, React and Node.js in an increasingly senior full-stack engineer capacity on the Application Frameworks team, while collaborating with 20+ other teams, many outside IB
- Owned IB's plugins framework, improving core components and documentation, holding bi-weekly workshops with developers, and successfully onboarding 10+ new teams and plugins
- Spearheaded research, remediation and impact analysis of a notorious, multi-year issue in the plugins framework for message content, resulting in a 95% reduction in rendering timeouts at application startup
- Pioneered efforts in the TypeScript Working Group as the representative of my team, typing 30+ modules, converting 10K+ lines of JavaScript to TypeScript and initiating an org-wide type library effort
- Assumed on-call responsibilities of monitoring, debugging and remediating issues in IB's distributed systems, triaging 150+ weekly tickets for 200+ engineers and product managers, which included working directly with clients and sales analysts
- Played a key role in the development of the structured pricing negotiation infrastructure within IB, including a custom templating language, component libraries, and critical service components for hydrating payloads with real-time ticker data
- Architected, negotiated and led the integration of security lending assets into the structured pricing negotiation workflow, which became the fastest-growing asset in usage within the system
- Represented the team in the company-wide initiative to redesign the plugins framework for usage across desktop, web, and mobile products, significantly contributing to the standard for no-code references to service endpoints
- Drove independent improvements in 4 framework administration screens, internal tooling, and documentation, enhancing the team's efficacy across our framework offerings

Bloomberg L.P.   **Virtual**
Software Engineer Intern, Enterprise Data Delivery   *Jun 2020–Aug 2020*
- Implemented a feature-complete front-end in Angular/TypeScript for a PK (public key) certificate management web application
- Developed a set of Kubernetes services in Python for PK certificate generation, revocation, and metadata retrieval
- Contributed to maintaining the app's CI/CD lifecycle, including Jest and Selenium test suites and Jenkins pipelines

Education

Tufts University   **Medford, MA**
Bachelor of Science in Computer Science, Minor in Economics   *May 2021*
GPA: 3.51 (4.0 scale), cum laude

Conferences

Nvidia GTC: March 2024 — Certificate for "Building Transformer-Based Natural Language Processing Applications"

JS Nation: June 2023, Amsterdam, NL (representing Bloomberg)

JSConf: June 2022, Budapest, HU (representing Bloomberg)

Out for Undergrad Tech: September 2019 / 2020, San Jose, CA

Skills & Interests

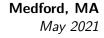**Programming Languages**: JavaScript, TypeScript, Python, Java, C++, C, HTML, CSS, Standard ML

Frameworks & Tools: React, Next.js, Docker, GitHub, git, PostgreSQL, AWS EC2/RDS, mongoDB, Tailwind, Vercel, Angular, Jenkins, CI/CD, Auth0, Firebase, Linux, bash, Jira, Agile methodologies, Twilio, Node.js, Figma, Adobe Creative Cloud, Deep learning, LLMs, pytorch, Nvidia CUDA, Jupyter, Android SDK

Languages: English, Croatian / Bosnian / Serbian, Spanish, German, Latin

Interests: ancient philosophy, artificial intelligence, electronic music, entrepreneurship, ethnohistory, etymology, information theory, law, sustainability, tech regulation, tennis, urbanism