

# Alex Braverman

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## SKILLS

**Programming:** Java, JavaScript, React, Redux, TypeScript, Node.js, Express, HTML, CSS, Bash, SQL, NoSQL, JUnit

**Technologies:** Git/GitHub, Jira, Mercurial, WebLogic, Web Sphere, JBoss, JMeter, Maven, Docker

**Certifications:** iQ4 CUNY Cybersecurity Virtual Internship Case Study Course, March 2019

**Operating Systems:** Linux, Windows

**Frameworks:** Spring Boot

## RELEVANT EXPERIENCE

### **GParency**

Full Stack Software Engineer

Howell, NJ

May 2021 – Feb 2023

- Redesigned the application to create a limited version for non-paying users, and created CTA components that were used to unlock the full version of the product, introducing a new revenue stream for the company and marketing to over 2000 potential customers.
- Collaborated with the development teams to execute strategies and implement solutions to build quality business software applications, utilizing SQL and NoSQL for back-end development, as well as Java for microservices and ETL.
- Developed and deployed Java and React microservices in AWS S3 and Lambda to improve application performance and scalability.
- Designed and developed high-performance front-end and back-end components for large, data-driven applications, leveraging SQL, S3, and NoSQL to optimize query response times. Utilized React and Java to ensure optimal performance and scalability in the application, delivering a seamless user experience.
- Reviewed feature requests, provided feedback, and developed and maintained features for web applications, ensuring they met business requirements and user needs.
- Utilized the micro-framework to develop features for a custom CRM system that effectively handled various business logic. Employed a range of front-end and back-end technologies to efficiently process data through REST API requests.
- Implemented classes and service providers to process and schedule routine API consumption, resulting in easy, reusable, and configurable API client instantiation. This improved the code base maintainability and abstracted away the details of instantiating HTTP clients for consumption.
- Configured Docker to run the API in a container, improving deployment speed and scalability while reducing server costs.

### **Banquest Payment Systems**

Full Stack Software Engineer

Lakewood, NJ

Feb 2021 – May 2021

- I designed and developed responsive and intuitive front-end UI/UX for clients using HTML, CSS, and JavaScript with jQuery for online payment processing pages.
- I also leveraged my expertise in back-end development to develop robust business logic and efficiently handle data as JSON objects between the back-end and front-end.

### **CUNY Tech Prep**

Software Development Fellow

New York, NY

Jun 2020 – Jan 2021

- Selected for a technical training program, as one of 183 students out of 400+ applicants.
- Learned in-demand technologies like React, Node + Express, and PostgreSQL as well as industry best practices for design, implementation and deployment such as MVC, version control with Git/GitHub, Agile & Scrum with Trello and Slack, test driven development, and CI/CD.

### **College of Staten Island**

College Lab Technician

New York, NY

Aug 2019 – May 2020

- Assisted students during their labs on topics like binary representation of information, basic logic devices, Boolean Algebra, Karnaugh map simplification, combinational logic analysis and design, latches, flip-flops and registers, sequential machine analysis and design, finite-state machine design, programmable logic, and memory.

### **Fiserv**

Software Developer Intern

Parsippany, NJ

Jul 2019 – Aug 2019

- I wrote unit tests for applications using JUnit and Mockito from Jira tickets, conducted integration testing, and documented software bugs and fixes.
- In addition, I collaborated with 7-10 engineers to present findings and determine the best testing tools to integrate.
- Effective communication and attention to detail were essential in this role. I successfully identified and reported two critical bugs that were swiftly fixed in production.

## University Radiology Group

PACS Supervisor (Informatics/IT and Software Developer)

East Brunswick, NJ

2011 – 2019

- Developed a cutting-edge automation program using scripting language and SQL to manage patient data entry into information systems, significantly reducing the number of staff required for data entry processing and increasing productivity by 75%. This resulted in a workload reduction of up to 3 hours per day, freeing up valuable resources and empowering staff to focus on other critical tasks.
- Collaborated with GE Centricity developers aimed at debugging and resolving a critical bug within the PACS system. Made modifications to the installed application and crafted a solution to deploy the fix across the network.
- I provided assistance to technicians across multiple radiology modalities and equipment, addressing issues such as incorrect images or accession numbers, duplicates, and patient data in PACS. Additionally, I offered guidance to improve workflow processes and prevent future errors.
- Vigilantly monitored PACS system status to identify and promptly address potential downtime issues, ensuring seamless patient care during system failures.
- Supervised and delegated tasks to team members, provided training for new staff and end users, fostering a knowledgeable and efficient team environment.
- Served as a liaison between 20 University Radiology Group Imaging Centers and Hospitals, proactively identifying and resolving issues, and maintaining open communication with radiologists and vendors.
- Conducted QA testing on diagnostic monitors, verifying the display's contrast ratio in compliance with state regulations, resulting in a 100% increase in image clarity for physicians' diagnoses across 11 hospitals and 22 sites in the NJ/NY region.
- Managed daily PACS operations including monitoring, storage media management, user management, image quality control, and patient information RIS management, while troubleshooting connectivity issues related to VPN, PACS, WAN networks, archiving, auto-routing, prefetching, DICOM communications, and HL-7 interfaces.
- Supported PACS upgrades and maintenance for URG's Fuji PACS system and other hospital-related PACS systems, including McKesson, GE Centricity, AGFA, Syngo, Fuji (older hospital version), and eFilm.
- Managed user accounts in Active Directory for Windows login and PACS admin portal, configuring multiple vendors' equipment/modalities on the PACS/network.
- Offered remote and on-site assistance to physicians, management, and vendors for any DICOM, PACS, or PS360-related issues, ensuring smooth operations and effective communication.
- Troubleshooting mobile web app issues for iOS and Android devices, providing prompt solutions to maintain accessibility.
- Monitored and resolved support tickets for PACS systems, escalating issues to Fuji senior technical personnel or vendors as required, guaranteeing swift resolution and system reliability.
- In addition to the tasks mentioned above, I collaborated with the IT department to ensure network security and HIPAA compliance for PACS systems. I also kept up-to-date with emerging technologies and industry best practices, making recommendations for system improvements as needed. I participated in the development and implementation of disaster recovery and business continuity plans to minimize disruptions and protect critical data in case of emergencies. Furthermore, I contributed to the creation and maintenance of PACS-related documentation, including user manuals, training materials, and system configuration records, facilitating efficient knowledge transfer and system management.

## EDUCATION

**College of Staten Island (CSI), City University of New York (CUNY)**

Bachelor of Science in Computer Science | GPA: 3.53/4.00 Cum Laude

Staten Island, NY

2020