

AARON BERMAN
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Programmer Analyst | Software Support Engineer | Application Developer

Programmer Analyst and Software Support Engineer building and maintaining tools for video platforms and web applications. Developed internal web and Android video players for defect reproduction; maintain Python API scripts and Git-based customer configuration for 4+ accounts. Prior Northrop Grumman experience delivering HTML/CSS/JavaScript/TypeScript courseware on Joint Knowledge Online (JKO). Also supports production streaming operations with log analysis, incident triage, and observability tooling. B.S. Computer Science, Cybersecurity minor, Cum Laude; U.S. Marine Corps veteran. Code: github.com/AaronBerman

EDUCATION | RELEVANT COURSEWORK

Bachelor of Science, Computer Science (Cybersecurity minor), Cum Laude; Old Dominion University - 2020
Associate of Science, Computer Science; Tidewater Community College - 2014

Networked Systems Security | Information Assurance
Computational Methods and Software | Operating Systems
Cybersecurity Fundamentals | Cryptography for Cybersecurity
Object-Oriented Programming Design | Introduction to Software Engineering
Principles of Programming Languages | Advanced Data Structures and Algorithms
Introduction to Discrete Structures | Introduction to Unix for Programmers

TECHNICAL COMPETENCIES

Languages: Python, JavaScript, TypeScript, HTML, CSS, Java, C++, PHP, Bash, Regex
Application Development: Web video players, Android video players, API scripting, front-end debugging
Source Control & Delivery: Git, GitHub, Docker, Docker Compose, Apache, Bootstrap
Data & Platforms: MySQL, Linux, Unix, macOS, Windows 10/11, AWS Systems Manager (SSM)
Observability: Splunk, Grafana, Observe, Jira, Jira Service Management (JSM)
Collaboration: Confluence, Slack, Microsoft Teams, Kiro, Office 365, SharePoint
Security & Methods: Information Assurance, Network Security, Access Management, Risk Management, Agile

PROFESSIONAL EXPERIENCE

Uplynk (formerly Edgio)	September 12, 2023 - Present
Streaming Support Engineer (Tools & Automation)	
Built web-based and Android video players used to reproduce and isolate live/VOD defects	
Develop and maintain API-driven Python troubleshooting scripts for repeatable diagnostics	
Maintain Git-based customer configuration codebases for 4+ streaming accounts	
Partner with development on code-level diagnosis and fix validation for high-priority defects	
Support 25+ customers (3 VIP), including recurring technical syncs for one VIP account	
Improved MTTM/MTTR by more than 5% through tooling, automation, and faster triage workflows	
Analyze production telemetry in Splunk, Grafana, and Observe; document OIRs and RCAs	
Present 10+ Technical Knowledge Shares (TKS) covering tooling and troubleshooting patterns	

Northrop Grumman - Joint Knowledge Online (JKO)	October 2022 - September 12, 2023
Programmer Analyst	
Developed and maintained JKO interactive courseware using HTML, CSS, JavaScript, TypeScript, and	

authoring tools

Debugged course-player and content package defects; traced front-end errors before publish

Executed functional and browser/player compatibility testing for release readiness

Documented defects and remediation steps for content authors and engineering teams

TE Connectivity - Hampton, VA

2006 - 2018

Assembler IV

Performed component-level troubleshooting on microelectronic devices using schematics and technical drawings

Wrote programming modules for equipment test simulation and quality assurance

Documented sensor failures with data and imagery for engineering and QA review

U.S. Marine Corps - Cherry Point, NC

2001 - 2006

Aviation Radar Repair - E4 Corporal

Supervised teams of 5 to 8 on training and maintenance of 2 mobile radar systems

Performed component-level maintenance on sensitive electronic systems, including Operation Iraqi Freedom support

Earned two meritorious promotions; received Certificate of Commendation and Meritorious Mast