

Professional Experience

Skills: Reliability Engineer, Developer, Production Support, Core Repository Administrator, and DevOps Deployments, C, C++, Python, Java, Organizer, Optimizer, Forward Deployed Engineer, Backward Compatibility Pro, Professional, Debugger, Test Engineer, Automation Engineer, Scripting, Scaling, Networking, Database Maintenance, Availability. Basically everything you need to build and maintain a website, its database, and its physical infrastructure.

Work History:

Software Engineer @ Available (2023 - Present)

Custom Encryption with digital signatures and secure key exchange. HPC (High Performance Compute) Message Queue Technology. Financial Calculators: Engineered advanced financial calculators to provide accurate and efficient financial analysis, showcasing expertise in algorithmic computations. Assistance Aids (User Interface Macro Program): Developed an innovative user interface macro program, streamlining user interactions and enhancing overall system usability. Engaged in several contract opportunities with OCI, SparkHound, Source360, and InsightGlobal spearheading projects at EOS Platform, IBML, Kapsch, and Hewlett-Packard (HPI). Code Editor with Code Browsing Capability: Pioneered the development of a feature-rich editor, incorporating sophisticated code browsing capabilities for enhanced programming efficiency. HTTP/HTTPS Web Server Creation: Designed and created a robust HTTP/HTTPS web server, demonstrating proficiency in web technologies and server-side development. Remote Assistance Software: Engineered remote assistance software, enabling efficient client support and issue resolution through remote collaboration. Computer Vision projects on Azure, object detection. Video conferencing application development working with video compression and WiFi Direct.

Software Engineer @ U.S. Bank (2008 - 2023)

Developed and debugged native programs, implemented scripting solutions, and provided assistance to team members in their assignments. Executed Production Support activities, conducting in-depth research, troubleshooting issues, and implementing effective solutions and patches. Significantly reduced compilation time from 30 minutes to 2 minutes, enhancing overall development efficiency. Improved system design for deployments, minimizing downtime and ensuring seamless transitions. Took a leading role in migrations of clients, gateways, email providers, and text providers, ensuring smooth transitions. Innovatively designed a scalable caching system, enhancing system performance and responsiveness. Spearheaded the migration of the system to AWS cloud, providing innovative solutions and ensuring a smooth transition. Designed disaster recovery operations and implementation, minimizing switch time during critical incidents. Administered code versioning systems, installing, configuring, and maintaining repositories such as GIT. Developed and implemented integration and production application system monitoring and maintenance solutions. Integrated binary patch software to reduce bandwidth requirements and developed an SMS front for the system, enhancing communication capabilities. Utilized ISO8583 protocol for authorization and settlement with payment gateways.

Military Career: NAVY, Norfolk, VA. **Education:** RCCollege & Devry University.