Konstantin Kushnir

Senior Software Engineer | DevOps | Developer | System Administrator

✉ konstantin.kushnir@hotmail.com | Ⓢ kchpock | github.com/chpock | linkedin.com/in/kku

Skills

Programming Languages: Tcl/Tk, Shell scripting, Bash, C, C++, Java Script, Python, Power Shell, Perl, PHP, Java, HTML, CSS

Clouds/Containers/VMs: Docker, Kubernetes, Docker Compose, Helm charts, Terraform, Amazon Web Services, Google Cloud Platform, vagrant, VMware Workstation, VirtualBox

Operating Systems: Linux, Windows, macOS, FreeBSD, AIX, HP-UX

CI/CD: CloudBees CD/RO, GitHub Actions, Jenkins, TeamCity

Monitoring/Logging: Prometheus, Grafana

Databases: ELK Stack, MySQL/MariaDB, PostgreSQL, Oracle, SQLite

Other: Installers and installations, InstallJammer, Kerberos SSO, VCS (Git/Perforce/SVN), Network protocols, Reverse engineering, Security

Languages: English (proficient), Russian (native), Ukrainian (native), German (elementary)

Experience

Senior Software Engineer   CloudBees Inc.   08/2019 - 06/2024

Project: CloudBees CD/RO (https://docs.cloudbees.com/docs/cloudbees-cd/latest/) automates and orchestrates software releases, pipelines, and deployments.

○ Maintain on-premises development environments (Linux/Windows/Solaris/macOS/HP-UX/AIX) and cloud environments (AWS/GCP) for development, testing and demonstration purposes
○ Maintain CI/CD processes
○ Design, provide and maintain docker containers (Windows/Linux) for individual application services
○ Design, provide and maintain helm charts for deploying application services in a Kubernetes cluster
○ Initial analysis and response to application component security issues
○ Design, provide and maintain a special pre-configured demo distribution delivered as images (VirtualBox/ VMware/AWS Marketplace/Microsoft Azure Marketplace) and docker containers
○ Provide builds and updates for open source components and libraries, resolve configuration changes and backward incompatibilities.
○ Port open source components and libraries between different platforms (AIX/Linux/macOS)
○ Develop cross-platform installer used for packaging applications and software updates
○ Troubleshoot application compatibility issues with different platforms/operating systems and third-party dependencies

Installer Developer   Electric Cloud, Inc.   10/2016 - 08/2019

Project: ElectricFlow® is an enterprise-grade DevOps Release Automation platform that simplifies provisioning, building, and releasing multi-tiered applications. Its model-driven approach to managing environments and applications lets teams coordinate multiple pipelines and releases across hybrid infrastructure in an efficient, predictable, and auditable way.

○ Develop cross-platform installer used for packaging applications and software updates
○ Work on design, implementation and testing of the installer
○ Consult documentation team on installation guides
○ Research and development of prototypes of modern technologies for installers

DBA, System Administrator   Department of National Police   12/2007 - 10/2016

○ Develop an application for statistical data analysis using Tcl/Tk GUI
○ Develop an applications for creating reports (MS Office documents/XML/text formats)
○ Develop an applications for big-data analysis
○ Maintain and administer servers for internal services (e-mail/RDBMS/VPN etc.)

Education

Dniprovsky State Technical University   Ukraine
Specialist degree in the field of Radio engineering   09/2011 - 01/2016
Technical specialist of Radio Engineering, Radioelectronic Devices and Communication.

Open-source side projects

P1 **tclmtls** https://github.com/chpock/tclmtls
Package to provide SSL/TLS layer support for network connections in Tcl.
Technology Stack: C, Tcl, mbedTLS, cryptography

P2 **cookfs** https://github.com/chpock/cookfs
Tcl virtual filesystem using a compressed archive format to allow embedding multiple files in an archive.
Technology Stack: C, Tcl

P2 **FarTcl** https://github.com/chpock/FarTcl
Plugin for Far Manager 3 that exposes Tcl interpreter for internal editor
Technology Stack: C, C++, Tcl