Brini Hamdi

Senior Production Engineer – Technical Lead / System Integrator

Senior Production Engineer and Systems Integrator with over 11 years of experience in middleware and systems integration across diverse domains such as payment and biometric systems, covering both high-level applications and embedded technologies. Proven expertise in application maintenance, infrastructure security, performance tuning, and managing complex, mission-critical environments. Known for resolving critical technical challenges, driving innovative solutions, and leading major projects with autonomy, collaborative spirit, and composure under pressure.

Work History

09/2021 - present

Senior Production Engineer – Middleware & Applications Lead

Orange OBS , Client DNUM, Paris

Supervised and managed over 200 critical applications deployed for governmental needs.

- Provided Level 3 support for incidents related to applications, middleware, OS, network, and security.
- Deployed and updated applications on Windows and Linux using delivered packages.
- Automated deployments via Ansible and Rundeck scripts.
- Installed, configured, and secured middleware components: Tomcat, Apache, PHP-FPM, ELK Stack, WebSphere, Nginx, RabbitMQ, WebLogic, CAS, Docker.
- Configured ELK dashboards (Kibana, Logstash, Metricbeat, etc.) with log retention rules (ILM).
- Managed SSL/TLS, authentication, and proactive certificate renewal.
- Implemented Keycloak + LDAP/Active Directory for centralized authentication and SSO.
- Ensured high availability and advanced monitoring of applications.
- Patched vulnerabilities to maintain secure services.
- Managed batch jobs with VTOM, and monitored systems via Zabbix.
- Led technical workshops with project stakeholders and documented processes on SharePoint.
- Participated in 24/7 on-call duty to guarantee application uptime.

01/2019 - 08/2021

Systems Integrator – Biometric Solutions

IDEMIA, Osny (International Ministries of the Interior), Osny

MBIS Project :

- Integrated and qualified MBIS biometric solutions for international government projects.
- Developed a Java-based authentication mechanism using LawTrust fingerprint APIs (HANIS project).
- Managed Active Directory (Windows Server) and LDAP configurations.
- Automated deployments with Ansible in an OpenStack environment (BKA project).
- Built test data and qualification scenarios in Python.
- Implemented HA solutions for AFIS services.
- Centralized logs using Rsyslog, Logstash, and Graylog.

MEVA Project : Morpho Eva Resident Card System

- Integrated and configured product for the Albanian governmant"

Personal Info

Email
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Address
Paris

Skills

Middleware & Servers: Apache, Nginx, IIS, Tomcat, JBoss/WildFly, PHP-FPM

Authentication: LDAP, AD, Keycloak

Messaging Systems: RabbitMQ, Kafka

Monitoring & Logging: ELK, Zabbix, Grafana

DevOps & Automation: Ansible, Rundeck, Git, Bitbucket, Kubernetes

Scripting: Bash, Python, PowerShell

Scheduling Tools: VTOM, Cron

Database: PostgreSQL, MongoDB, MySQL, MariaDB

Cloud & Virtualization: OpenStack, VMware, vSphere

Supervision : Zabbix , Grfana

Security: SSL/TLS, firewalld, iptables

Virtualisation & Cloud : OpenStack, VMware, VSphere

HA & Load Balancing: HAProxy, Heartbeat, Pacemaker

- Qualifiied product along with version delevirey."
- Managed qualification using testLink"

07/2017 - 12/2019

Developer & Integrator – Biometric Terminals

AKKA Technologies (Client: IDEMIA), Osny, Osny

- Biometric identity verification at national borders : Built a RESTful J2EE web app (Jersey, Maven) to simulate failure scenarios on Android biometric terminals (MorphoSmart CBM – Indian project)
- Developed BatchScanner, a Java tool to scan biometric files for the South African project, integrating with MBIS and managing acquisition workflows.

01/2017 - 06/2017

Support Engineer – CDG Airport

AKKA Technologies (Client: Siemens), Roissy-en-France, Roissy-en-France

- Maintained and supported the baggage sorting system (TBE) at Charles de Gaulle Airport.
- Verified logs and databases via Oracle SQL Developer on HP-UX UNIX.
- Tested IHM evolutions (IMS) via RDP on Windows Server 2008.

07/2016 - 12/2016

Ruby Developer Consultant – RATP

AKKA Technologies, Noisy-le-Grand, Noisy-le-Grand

- Enhanced a Ruby-based IHM for RER schedule monitoring (GOAL software).
- Designed test interfaces using Ruby TK and RubyMine, generated reports in text and HTML.

02/2016 - 06/2016

Android Developer - Payment Terminals

AKKA Technologies, Valence

- Built automated testing tools for Ingenico payment terminals.
- Developed an Android GUI app with an embedded HTTP server (NanoHttpd) to convert HTTP commands into PCL instructions.
- Implemented Bluetooth communication between smartphone and payment terminal.

03/2012 - 07/2014

System Developer & Integrator

CPT Engineering, Sousse

- Developed Java-based supervision software for embedded systems (wind turbines, smart breakers).
- Performed reverse engineering from C to Java (Pic18/Pic32-based systems).
- Worked on IMX6q development board using Yocto OS.
- Developed communication protocols (e.g., IEC 61850).

Education

09/2014 - 09/2015

Master's in Embedded and Communicating Systems, Master Degree

UTBM, ENSISA, Mulhouse

09/2010 - 09/2012

Master's in Industrial Systems Management, Master Degree

ESSTHS – Hammam Sousse, Tunisia, Hammam Sousse

09/2007 - 09/2010

Computer Science & Electronics, Bachelor's

ESSTHS, Hammam Sousse

Embedded Systems: Microchip, Freescale, Yocto OS

Testing Tools: TestLink, SoapUI, JMeter

Languages

Anglais - B2

Français - C2