Standard Development and Productivity Tools

Integrated Development Environments (IDEs)	*Eclipse*
Version Control Systems	Git
Defect/Issue Tracking Systems	Jira

Application Security

Static and Dynamic Analysis Tools	Fortify, AppScan
Penetration Testing Tools	Burp Suite
Fuzz Tools	OWASP Fuzz tool

Automation Tools

Jenkins	**Jenkins,** an automation server that may be utilized either as simple CI servers, or turned into CD hubs for projects, with plugins that support integration with various tools in the CI/CD toolchain.
Docker	**Docker,** a software container technology platform that enables its users to create, deploy, run, and manage applications within the containers. Docker containers run within the kernel of the host machine and they don't require additional hypervisor load, so they are lightweight.
Kubernetes	**Kubernetes** is an open-source system for automating deployment, scaling, and management of containerized applications.

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Chef	**Chef,** a configuration management tool that delivers fast, scalable, and flexible automation of Web-scale IT. Chef automation tool uses 'recipes' for web-server configuration, databases and load balancers.
Puppet	**Puppet,** a flexible, cross-platform and open source DevOps configuration management tool that automates the delivery and operation of a software during its entire lifecycle.
Ansible	**Ansible,** a server and configuration management tool that makes IT automation simple as it ends repetitive tasks and enables faster application deployments. It automates configuration management, orchestration, application deployment, cloud provisioning, and a number of other IT requirements.
Other	Other tools/frameworks for adding security to the DevOps pipeline include **Gauntlt** and **OWASP Zed Attack Proxy (ZAP).** These tools may be used during deployment, allowing for automated security tests. Gauntlt provides hooks to a variety of organizational tools that are used for security testing such as nmap, curl, sqlmap, and others. There are also tools such as **Splunk** that should be mentioned here, primarily for continuous monitoring of the production environment for detection of cybersecurity threats.

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