

Motorola Software

Applications and platforms to drive anywhere, anytime mobile connectivity



FACT SHEET

FAST FACTS

Over 5,700 engineers in 16 software centers worldwide

World's first commercial software development organization assessed at SEI CMM® Maturity Level 5

Over 99 percent of engineers working in organizations rated at CMM® or CMMI® Maturity Level 4 or 5 today

Software delivered at 5.8-6.0 Sigma Quality

Access to communication, information and entertainment anywhere, anytime and on any device requires solutions and services delivered on products that are simple and intuitive to use, while meeting every customer's requirements and preferences. Software plays a critical role by making devices, networks, infrastructure and everything in between more adept, integrated and automated – removing the burden of

complexity from the end user. The entire process begins with 5,700 Motorola engineers in 16 software centers around the world, all dedicated to developing the software applications and platforms that will drive the next wave of communications experiences.

Motorola Software Group was the world's first commercial software organization assessed at SEI Capability Maturity Model® (CMM®) Maturity Level 5. The organization continues to support that excellence with over 99 percent of engineers working in organizations rated at CMM® or CMMI® Maturity Level 4 or 5 today. We have also developed and introduced new software development practices, such as Secure Software Development, as well as tools aimed at increasing quality and productivity.

Technology Focus

Motorola Software's approach to software development focuses on the technologies required to deploy anywhere, anytime mobile connectivity solutions. These "specialized" technology areas are:

Embedded Systems, Open Source and Linux

Operating systems hardening, embedded Java enablers, embedded systems, carrier grade Linux and mobile Linux differentiates Motorola's products and services in the marketplace. Our expertise and thought leadership in these areas spans Motorola's product line, from network interface components to handheld devices.

Intelligent User Interaction

Innovative user interfaces that accommodate today's demanding users moving across environments, devices and networks in a way that minimizes complexity is the focus of our development. By developing multimodal user interaction technologies that incorporate pointing, speaking, writing and gesture recognition capabilities, we are enabling users to interact with Motorola's devices in ways that are intuitive and fit their changing needs.

IP Networking and Applications

We are developing critical IP-based solutions that reflect the industry's transition from the IPv4 to the IPv6 standard and which will enable users to move seamlessly across heterogeneous networks. This work includes a set of standards-based portable and scalable mobile IP components as well as a number of Motorola differentiating solutions for providing seamless connectivity services to mobile devices across different networks.

Network Management Solutions and Engineering

A key control point for any end-user, service, device or network, is the ability to manage the end-user, service, device or network. Software development in this technology area focuses on providing consistent manageability through common frameworks and plug-and-play components to facilitate simpler, cost-effective and consolidated device, element, network, operations and business support, services, and end-user management.

Seamless Mobility Solutions Enablers

We develop software solutions to enable Motorola products to seamlessly cross various domains. Our work in the areas of things-to-things, sensing, monitoring and control technologies, content mobility and server technologies, as well as DLNA, DVB-H and IPTV, creates innovative software that makes enhanced mobile experiences possible.

Security

Secure parameters have historically relied on well defined domain boundaries but today's boundless network needs to establish new mechanisms for maintaining security. We are focused on security architectures and technologies that positively impact Motorola's customers, from developing software code with security in mind, to securing enterprise data on devices and the network.

Software Engineering and Tools

Optimizing our software tools and SDK/API portfolio to increase efficiencies through reuse, elimination of duplicate work, improved tool chains and reduced tool license costs is the focus. In addition, we are deploying Model-Driven Engineering capabilities, development environments and testing solutions that will allow Motorola and our partners to develop world-class products and solutions more quickly and cost-effectively.

VoIP and Multimedia

Software development in this area includes session protocol stacks, such as SIP and MGCP; frameworks that include IMS, SCCAN and IP PBX; applications including VoIP, streaming video and PTx; as well as media and connection managers to enhance Motorola's products. We are also focused on developing multimedia solutions that include the MPEG4 standard and various codecs, allowing users to enjoy full multimedia capabilities on their portable devices.

Technical Depth

Over 50 percent of Motorola Software Group engineers have advanced degrees in engineering or computer science. Professional experience across all our engineers averages six years.

Software Engineering Processes

The majority of Motorola Software Group sites have been assessed at CMM@/CMMI@ Maturity Level 4 or 5, with 99 percent of the engineering workforce operating at Level 4 or 5, compared to an industry average of 23 percent of those reporting results (an estimated 5 to 10 percent of the overall software industry).

Quality, Productivity and Delivery

We deliver 5.8-6.0 Sigma Quality, about an order of magnitude better than others in the industry rated at CMM Level 5. Our productivity is approximately twice the industry average and we have continuously delivered at over 95 percent on-time for the last eight years.



OUR LEADER

Anson Chen

*Corporate Vice President,
Motorola Software Group*

Anson Chen is leading the effort to create better software technology for Motorola. As head of the Motorola Software Group, Anson is managing a portfolio of over 400 projects across Motorola product lines. These products range from wireless infrastructure, handset software, to software for Systems-on-a-Chip (SOC). With Anson's leadership, the Motorola Software Group will be driving powerful software technology across all of Motorola – providing the required systems and architecture to enable users to easily and securely move across many devices and networks. Anson is helping to bring practical solutions to dreams of technology previously thought to be impossible.



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