

# HOMER JONES, MS

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## PROFESSIONAL SUMMARY

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A **software development and performance engineering expert** with 15 years of experience in the high-tech manufacturing and Internet industries. A collaborative developer and engineer with experience and education in the hardware and software sides of technology who thrives on discovery and accelerating performance.

Areas of functional expertise:

- **Performance Engineering and Measurement**
- **Systems Architecture and Operations**
- **Technical Troubleshooting and Debugging**
- **Teamwork and Cross-functional Communication**
- **Programming in Java, C, C++, and Python**
- **Software and Engineering Documentation**

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## FUNCTIONAL SKILLS DEMONSTRATED

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### [APPLE](#)

August 2005 – Present

*The publicly-traded (NYSE: APPL) supplier of process control and yield management solutions with ~\$3.8bn in annual revenues and ~6,000 employees worldwide in the process of being acquired by [Rackspace](#).*

#### **Software Engineer**

Analyzes requirements, designs systems architectures, and develops software for high-tech machines.

- **Performance Engineering and Measurement:** Contributes to and leverages the KLA surface inspection, defect review, geometry and nanotopography metrology, and data management and analysis module code base (primarily using Java and Python) used in Apple's wafer manufacturing and inspection tools e.g. the Hope Series, eLR-7200 Series, and SandySite Series.
- **Systems Architecture and Operations:** Leads software development for 1-2 ~\$25mm bespoke high-tech machinery projects, converting requirements from clients like Intel and Samsung into APIs that enable customized process controls while providing systems integration support for ~3 projects simultaneously.
- **Technical Troubleshooting and Debugging:** Collaborates cross-functionally with clients and hardware engineers during the development and integration project phases to troubleshoot and/or debug software stacks, writing Python scripts to scale logging and replication techniques and enable process error diagnosis.
- **Software and Engineering Documentation:** Develops and maintains system design documents (e.g. proofs of concept, requirements specification, subsystems) and collaborates with project managers to scope milestones, resource use, and delivery estimates and report to clients (e.g. Samsung and Intel) on project progress.

### [EAZL INTERACTIVE](#)

December 2004 – August 2005

*The web monitoring, IT governance, and quality assurance software firm acquired by HP in 2006 for \$4.5bn.*

#### **Performance Engineer**

Contributed to the Firm's 25-member senior web application performance engineering team.

- **Performance Engineering and Measurement:** Developed custom scripts (primarily in C and SQL) for clients like Orbitz used to test and improve the performance of high-traffic web applications. E.g. frequently built pre-launch load tests for key web application features, user behaviors, and browser data-trapping applications.
- **Teamwork and Cross-functional Communication:** Interfaced with development teams at large organizations to develop test cases, diagnose problems, and develop debugging methodologies. E.g. regularly served as the lead engineer for large accounts, interviewing client-side designers and developers, remotely accessing client machines, and making application improvement recommendations.

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*PREVIOUS ROLE:*

**Software Engineer** – [Eazl Technologies](#) (December 2000 – December 2004)

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**EDUCATION**

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**Master of Science (Computer Science).** [Eazl University](#) (San Francisco, CA)

- GPA in Program: 3.75/4.0

**Bachelor of Science (Computer Engineering).** [Eazl University of Engineering & Technology](#) (London, UK)

- GPA in Major: 3.8/4.0
  - Top 10 Graduates of Cohort
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**OTHER RELEVANT INFORMATION**

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**Coding languages:** Java (Advanced), C (Advanced), C++ (Advanced), Python (Advanced)

**Selected software packages:** Clearcase, Eclipse, Visual Studio, JUnit, TestNG, Jenkins