Software Engineering : Jobs and Career Path

In Real Life, Complexity of Software Engineering Jobs and Career Path Are Increasing in The F/OSS World From Diverse Community With Various Degrees. **Software Engineering Jobs Still Are Higher Paying**, but the academic degree which is concerned with developing and maintaining softwares to behave reliably and efficiently, are now being affordable developed and maintained by the community for the F/OSS softwares; satisfying all the requirements that the users will ever need is been carried by the humans who have nothing to do with Software Engineering as academic degree. Apart from the requirement of diverse set of skills, software engineering is much driven by DevOps, quite tangential to the typical software development cycle.

Software Engineering Jobs and Career Path is Never Linear

Recent employment data related to software engineering is mixed – it is alarmingly declining overall. Unemployment rate for the professionals has been increased to 6%. This recent set of data, at the time of publication of this article is by the IEEE-USA. Software engineering is remaining as important because of the presence of large, software systems where the role of a human in safety-critical applications can not be ignored.

When compared with electrical engineering, rate of unemployment is at 2%. Most of the demanded criterion for a good job in software engineering is stunning skills. The range of skills can vary from software development in C/C++ to front end designing. Yes, we receive requests for help by the students for their OpenStack related projects. It is really not quite funny to master from Javascript through XML through AJAX to OpenStack. Linux administrators enjoyed a very different path since the work was setting up tools and systems, protect against intrusions, backing up the databases. With SysOps and DevOps, unfortunately the leading Hosting Brands are pushing them to face the clients.

Why Software Engineering Jobs Became Odd With Time

Working for the known closed software companies are quite risky – working for Microsoft can expose the human to the anger of the community out of the relationship of the Governmental spyware activities. Software engineering as a work can time bomb – writing code does not make one a software engineer and it is a form of art. It is really not possible by all to have the sense of how iTerm2 will look nice with few lines of code. Major Hayden wrote the MySQL tuning script – but Major Hayden's credit is fully ate up by the technology bloggers. The users need the work, best at free of cost.

It is easy to write – take a tangential path or Software Engineering is not an easy job to live any more. The human who has read Software Engineering has dependents at home. The academic part of software engineering was created to address poor quality of software associated with improper training. The closed source software companies, foreign insourcing companies falsely made an artificial demand market. Now, when automation and machine learning is becoming a leading way of

how the things will work – the jobs are time bombs.

There is no absolute career path as the job can demand to develop a software to find all the genes related to Alzheimers disease and create 3D models of the genes based on IEEE Standard set by Dr. Young Moon or do what Dr. Abhishek Ghosh has failed to do for Artificial Human Pacemaker. Usually to extend the skills in official form, most need to opt for certification.

Anatoly (dotkam.com) published an excellent article named "The Seven Stages of Expertise in Software Engineering" with 07 Stages :

Stage 1: Innocent

Stage 2: Exposed

Stage 3: Apprentice

Stage 4: Practitioner

Stage 5: Journeyman

Stage 6: Master

Stage 7: Researcher

Seven Stages of Expertise in Software Engineering

Innocent
Stage 1

Frog in the Pan situation. Trying to tackle problems of the 1990s with approaches of the 1960s and 1970s. Mismatch between learned theory and real life.

Exposed
Stage 2

Interest level is high but the knowledge level is low. Trying to understand the techniques.

Apprentice
Stage 3

Has difficulty in deploying the techniques up from a case study to a real project but is trying to learn from the workshops.

Practitioner

Needs consulting advices without which will encounter minor or major failures but is in the right track.

Stage 4

Journeyman

Self-sufficient. Can work or lead a project without much failure.

Stage 5

Master

Grasped the harware part like as if a fluid software.

Stage 6

Researcher

Can scan the horizon for new problem.

Stage 7

Recent employment data related to software engineering is mixed - it is alarmingly declining overall. Unemployment rate for the professionals has been increased to 6% versus a predicted net growth by 38% within 2018.

SimplyHired
Ready when you are.

Software Engineering Jobs and Role of The Employment Websites

Employment websites plays a good role for the survival of the humans. For the job seekers, the

employment websites are usually free to use. Often they offer tips and information on the specific arena. Some job boards also specialize in particular industries, professions or geographic areas.

Employment websites can be used by the employers as a mean of HR marketing and recruitment and are considered today as the most effective medium in the recruitment of new employees. There is space for the young humans to secretly do a search about the company's insider story. Unfortunately – that secret actually can become naked to the employers like we have described in the article on LinkedIn Recruiter Premium Account.

Searching for software engineer jobs on standard vertical search engine powered employment website can show lot of openings. Quality of really perceived life depends on the sort of company a software engineer will work for. Many (may be the most of the companies) companies never give value to the talented, experienced developers as highly as the managers and unfortunately they will never reward them to the same level. This is not the exactly the type of company one should be working for. More technology focused companies will value their developers more and staying in technology should not limit the career in terms of reward and status. Last option is starting own company – which is not exactly everyone's path. In the same way, Freelancing is not everyone's choice.

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