Seagram building, 375	Facebook Platform, 133-146
security	social web services
emulation and, 201	Facebook, 117-124
Guardian operating system, 193	software architects
JPC, 201, 231	role of, 7
selective optimization	software architecture
virtual machines, 238	about, 8
self-hosting	creating, 10–14
bootstrapping runtimes, 241–246	Spaces
programming languages, 236	MMTk, 257
semantics (see transactional semantics)	spatial overheads
servers	JPC, 208
data servers, 292	Spring
JPC, 230	"the last responsible moment" in Lifetouch, 68
Lifetouch, 77	SSA forms
role in MMOs architecture, 49	Jikes RVM, 251
role of in Project Darkstar, 51	stack
shared PIM servers, 293	Project Darkstar, 53
xenoservers, 156	stakeholders
service decomposition	role of, 11
in Project Darkstar, 51	static methods
services	performance, 206, 222
stack-level services in Project Darkstar, 53	Strigi project
session keys	KDE, 299
Facebook, 123	structures, 14–19
Session Service	data access structures, 18, 19
Project Darkstar, 54	defined, 5
sets	information hiding structures, 15, 19
defining, 361	list of, 19
shadow page tables	process structures, 17, 19
virtual memory, 162	in software architecture, 9
Shapir-Whorf hypothesis (SWH), 351	uses structures, 16, 19
sharding	substitutivity of equals for equals
in MMOs and virtual worlds, 50	functional programming, 329
shared memory	SWH (Shapir-Whorf hypothesis), 351
Tandem computers, 176	switch statements
shared PIM servers	performance, 207, 217
KDE and GNOME, 293	synchronization
sharing	Guardian operating system, 189
resources, 18	performance and, 207
sink by sink depth-first parsing	SysCalls
JPC, 221	RVM, 256
Smalltalk	system messages
environment, 370	Guardian operating system, 192
proxy class, 369	system-of-systems
success of as an object-oriented language, 351-	conceptual integrity, 13
367	systems architecture
SOAP	Guardian operating system, 175–198
about, 91	JPC, 199–234
compared to REST, 96, 100	RVM, 235–260
social context	Xen project, 155–174
Facebook, 115, 119	
social data query services	Т
Facebook Platform, 124–132	-
social web portals	T/16 processor architecture emulating on Tandem computers, 197