

## Topic Recommendation:

## Topics in technical solutions engineering

### Course Description

Introduction to topics in technical solutions engineering such as, spring, testing, web-services, node.js, objective-c, hibernate, design, linux, angular, cloud, cassandra, apache-spark, java, google-app-engine, saas, integration, perl, embedded-linux, html, machine-learning, zeromq, css, linux-kernel, shell, python, automated-tests, javascript, aws, continuous-integration, oop, sql, linux-device-driver, ruby, c, ux, embedded, scala, c++, django, elasticsearch, security, comfortable developing high level state machines using modern modeling tools, enterprise application integration excellent teamwork skills proven ability, stage equity packages 401k match competitive medical, functional teams without formal authority examples, distributed system c ++ applications contribute broadly

### Course Learning Outcomes:

require employment eligibility verification document form upon hire  
achieve directly provided technical leadership  
lead open source enterprise service bus  
spot potential failure cases experienced  
launch excellent products technical background  
evaluate new product concepts work  
join intuitive surgical means joining  
orient appreciates performance tradeoffs vs  
embed environment develop software  
deliver ground breaking ideas  
license opportunities develop  
correspond justification work  
resolve technical deployment obstacles  
take two startup teams  
test various product components  
base software storage products  
make data available instantly  
lead integration platform  
write communication skills  
base backend infrastructure build  
provide world class problems  
introduce pure1 meta  
break new ground  
distribute algorithms collaborative  
please apply directly  
develop technical specifications  
improve surgical efficacy  
embed host environment  
distribute computing technology  
build different systems  
develop marketing channels  
excite consumer application  
embed linux devices  
pioneer numerous advancements  
eliminate retail markups  
ensure efficient operation  
resolve technology problems  
protect veteran status  
retain 10x engineers  
optimize customer workloads  
resolve customer problems

operate four e  
deploy management software  
follow programming languages  
include health insurance  
define market  
use technology  
take us retention  
deliver enterprise  
embed software  
distribute systems  
develop code  
face teams  
orient environment  
image subsystems  
ensure revenue  
develop prototypes  
require ).  
augment reality  
resolve issues  
troubleshoot skills  
debug applications  
advance chat  
orient person  
base management  
grow fast  
work closely  
solve problems  
pace environment  
alert platforms  
exist systems  
build consensus  
exist team  
drive storage  
prioritize product  
delight customers  
allow customers  
grow company  
srequired languages  
prioritize features  
distinguish engineer  
accomplish goals  
sustain engineering  
provide autonomy  
manage teams  
understand ways  
yearrequired education  
ship cloudhub  
remove impediments  
pay vacation  
make decisions  
create mule  
challenge position  
carequired education  
block io  
amaze story  
provide real  
thread programming  
underlie hardware

drive force  
share responsibility  
look forward  
increase velocity  
help googlers

### **Summary from top job descriptions:**

Primary Function of Position: Intuitive Surgical designs and manufactures highly complex endoscopic vision systems for use in surgery.

The successful candidate must excel in a high-energy, focused, small-team environment, be able to drive to solutions from rough requirements, and have a commitment to high product quality.

Roles and Responsibilities: • Deliver superb video quality to clinicians • Invent, evaluate and implement real-time image processing algorithms • Evaluate and review image sensors, illumination and display solutions • Optimize system (camera, lights and display) for excellent image quality • Invent, prototype and test advanced imaging modes • Obtain and iterate surgical feedback into designs • Prepare and review patent applications

By continuously scanning call-home telemetry from Pure's installed base, Pure1 Meta uses machine learning predictive analytics to help resolve potential issues and optimize customer workloads.

Patient safety is our highest priority. Primary Function of Position: Work with an incredibly talented team to design and build the embedded software platform and feature set for next-generation surgical robotic systems.

The successful candidate must excel in a high-energy small team environment, be able to drive to solutions from rough requirements, and have a commitment to high product quality.

A strong sense of shared responsibility and shared reward is required. Roles and Responsibilities: • Work on a cross functional team to develop technical specifications and evaluate design trade-offs – specifically in the area of platform/infrastructure software •

Design and development of product-focused, rock-solid, C++ software in a heterogeneous, multi-processor

SoC/FPGA/real-time-embedded environment • Develop software for embedded Linux devices: o Customize and productize embedded Linux distributions o Create drivers that interface with custom FPGA devices o Design and implement multi-threaded, distributed system C++ applications • Contribute broadly to many areas of software development, including but not limited to: o

Extension of current frameworks to new processors and operating systems o Development of research prototypes used to evaluate new product concepts • Work with electrical engineers to bring up new, custom hardware

The Google Cloud Platform team helps customers transform and evolve their business through the use of Google's global network, web-scale data centers and software infrastructure.

As part of an entrepreneurial team in this rapidly growing business, you will help shape the future of businesses of all sizes use technology to connect with customers, employees and partners.

As a Technical Solutions Engineer, you will combine software development, networking, and systems administration expertise with an aptitude for technical advising, troubleshooting and analysis.

You will work across multiple customer-facing teams to improve the product's vision and to make global businesses and organizations successful.

You are a technical solutions expert, helping Googlers and customers approach and resolve technology problems and design Google-scale services.

Google Cloud helps millions of employees and organizations empower their employees, serve their customers, and build what's next for their business — all with technology built in the cloud.

And our teams are dedicated to helping our customers — developers, small and large businesses, educational institutions and government agencies — see the benefits of our technology come to life.

Diagnose and resolve customer problems for Google Cloud Platform products; Engineer and implement new operations, productivity and investigation tools to increase efficiency for Technical Solutions Engineering.

Act as a consultant and subject matter expert for Product Managers, Software Engineering teams, Sales Engineers, Site Reliability Engineers, and Strategic Customer Engineers to resolve technical deployment obstacles and improve the product's vision.

Obtain and maintain an in-depth understanding of Google's product technology and underlying hardware and software architectures, to build in-product self-service solutions.

Work closely with multiple Product Management and Software Engineering teams on understanding ways to improve the product, and interact with our Site Reliability Engineering (SRE) teams to drive production excellence.

Be an advocate for our customers in representing their issues to Product Management and Software Engineering and develop innovative ways to resolve issues.

Experience with cloud storage solutions, SQL database administration, Google App Engine, cloud networking solutions and/or distributed computing technology.

The successful candidate must excel in a high-energy team environment, be able to drive to solutions from rough requirements, and have a commitment to high product quality.

Roles and Responsibilities: • Work on a cross-functional team to architect and implement new user interface features in a complex, distributed, hierarchical state machine • Collaborate with designers of robotic control algorithms to define the behaviors of the robotic system • Develop and maintain external interfaces between state machine and embedded host environment in C/C++ • Perform formal risk analysis and develop and verify software mitigations • Document according to Intuitive's development guidelines We're seeking a Member of technical Staff engineer with a proven track record of building great online (web and mobile) products for the C2C Selling team.

As a MTS, this person will be hands-on with product development, building high quality software.

This role requires partnership and collaboration with other organizations throughout eBay, so (s)he must have great communication skills and the ability to work well with others.

7+ years of hands-on experience building web technologies and services (e.g. Java/C++, etc.) along with browser technologies (Javascript, HTML, etc.).

Excellent communication skills and ability to understand and provide good feedback on business requirements.

We are looking for a Chief Architect who will successfully design and implement ground breaking software defined storage solutions for tomorrow's enterprise and cloud environments.

This unique individual will have strong expertise and experience in bringing to market leading software products in enterprise, cloud, or virtualization computing environments.

You will leverage your knowledge, experience, and creativity to build an enterprise storage software team, lead the design and development for a range of innovative cloud-based software storage products, and exercise a key leadership role in defining and driving the company's vision, from innovative architectural concepts into customer deployments.

You will work closely with DDN's design, product management, engineering, senior management and leadership teams to define, implement and deliver a best in class suite of software solutions for enterprise and cloud based applications.

Technical leadership for the definition, design and implementation of world class software suites and cloud services

Directly provided technical leadership and delivered enterprise-class storage, cloud computing, virtualization or containerization solutions

Created an enterprise storage product vision, defined market and product requirements, resulting in successful implementation

Recognition as leader with ability to build strong working relationships with cross-functional teams and stakeholders to ensure efficient operation and success.

Train and mentor enterprise software engineers to build quality products

The technologies and services that power our platform are designed to enable sellers worldwide to organize and offer inventory for sale and buyers to find and purchase it, virtually anytime and anywhere.

Cloud engineering team is looking for a leadership position to drive our IaaS platform.

As a leader, you will need to build a diverse and open culture that embraces debate, makes decisions and collectively work and deliver to our customers.

The Analytics team is responsible for reliably ingesting high volume streams of data from multiple systems, enriching that data, processing it, and providing real-time queries, visualizations, insights, alerts, and other useful products from it.

This is a challenging position that requires an understanding of how to build reliable at-least-once delivery systems even in the face of immense load spikes and even multiple internal/external failures.

Geomagical Labs is an AI startup, developing an exciting consumer application, for millions of people. We are looking for a back-end engineer, with excellent systems software experience, to join our startup team and lead our back-end platform development. As platform infrastructure developer, you will work closely with Geomagical Labs' core team of technologists to design and develop our end-to-end cloud technology platform for our mass-scale consumer application.

The role includes development of data pipelines, application servers, networked services, databases, and APIs to provide real-time support for web clients, mobile clients, and algorithmic services. In addition to production apps and services, you will develop prototypes, algorithms, tools, benchmarks, data sets, and contribute to the design and construction of a continuous integration software development environment. Benefits Rare opportunity to join an early tech startup adventure when it is less than ten people, led by founders who've taken two startup teams through IPO.

We believe that AI technologies and data-driven solutions are the driving force to establish the new standard of business operation and productivity. As a backend engineer, you'll: Design and build a highly scalable and available cloud-based backend infrastructure Build and optimize the state of the art conversation engine system Design and build the high-volume efficient ETL data pipeline for the end-to-end machine learning and analytics systems Build and maintain a performant API system that serves the customer-facing console frontend Build monitoring & alerting platforms, automation tools and continuous integration environments Follow the product from inception to launch, and own large parts of the product's execution Conduct code reviews for our peers, and learn from code reviews conducted with you Benefits We are a fast growing startup backed by Y-Combinator, with a great product and happy customers.

But more than that, we provide a supportive environment where you can do the best work of your life, where creativity and personal initiative are cherished, where product quality standards are nothing short of excellent, and where you have a direct, leading role in delighting customers.

Is a full-stack engineer with 4+ years of production experience (Python/Django strongly preferred but not required).

**Minimum Required Skills:**Product Line Manager, Product Marketing, Computer Network, Embedded Software, Enterprise Networking, M2M/IoT Platforms, Enterprise Application Integration, Cellular, Wi-Fi/BT M2M, Product Strategy  
As the Product Line Manager, you will be responsible for product planning and product marketing including: managing the product throughout the product lifecycle, gathering and prioritizing product and customer requirements, defining the product vision, and working closely with engineering, to deliver winning products.

This position will include working with sales, marketing and support to ensure revenue and customer satisfaction goals are met, ensuring that the product and marketing efforts support the company's overall strategy and goals.  
**What You Will Be Doing**• Act as the leader and primary spokesperson for the product line• Define the product strategy and roadmap• Deliver MRDs and PRDs with prioritized features and corresponding justification• Work with external third parties to assess partnerships and licensing opportunities• Develop the core positioning and messaging for the product• Perform product demos to customers• Set pricing to meet revenue and profitability goals• Deliver a monthly revenue forecast• Propose an overall budget to ensure success• Develop sales tools and collateral• Brief and train the sales force at quarterly sales meetings• Brief press and analysts and go on press tours• Will be an expert with respect to the competition  
**What You Need for this Position**• Bachelor's degree in a technical field such as Engineering or Computer Science, MBA preferred• Minimum 5 years of experience as a Product Manager or Product Marketing Manager• 10+ years in the embedded software, semiconductor, Enterprise Networking or M2M/IoT Platforms area• Excellent written and verbal communication skills• Demonstrated success defining and launching excellent products• Technical background, with experience in Computer Networking, Cellular, Wi-Fi/BT M2M Technologies, IOT, Enterprise Application Integration• Excellent teamwork skills• Proven ability to influence cross-functional teams without formal authority• Examples and at least one sample of an effective new product delivered in the past• Must be able to travel 30-40% of the time  
For your hard work and dedication, earn a generous salary plus bonus and stock option along with a comprehensive benefit package.

Now, we are looking for internship candidates (CPT/OPT) who are interested in computer science, marketing, and management field.  
**Responsibility:**Accept one-month training program in AI or Self Marketing.Organize events and marketing activities.Create contents for the website and social media.Develop marketing channels \APP \Web Site (just one choice is ok).  
**Requirements:**BA/BS degree required at least.OPT/CPT are Welcomed, sponsor h1b for excellent people.Computer science, Business, Marketing or related major is our best choice.Candidates must be fluent in both English and Chinese.  
**Job Type:** Internship  
**Salary:** \$20,000.00 to \$80,000.00 /year  
**Job Types:** Full-time, Part-time, Temporary, Internship  
**Salary:** \$20,000.00 to \$80,000.00 /year  
**Required education:**Associate  
**Required language:**Chinese and Chinese  
Gosvea Inc. is building the University of San Jose (USJ) now, and located in San Jose.

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**Job Type:** Internship  
**Job Type:** Internship  
**Salary:** \$50,000.00 to \$60,000.00 /year  
**Job Location:**San Jose, CA  
**Required education:**Bachelor's  
**Required languages:**Chinese and EnglishEnglish,Chinese