Fullstack Engineering

Level/Skill	Product Output	Decision Making/Supervision	Communication/Writing	Data structures/Performance	Security	Networking	Fullstack Engineering	Tooling
1	Collaborates with product through designs, mockups, and demos of product features before implementation.	Normally receives general instruction on work and new assignments.	Reports progress on a regular basis as required by the team's operational requirements. Actively solicits feedback. Participates on interview panels.	Demonstrates good understanding of basic data structures like hash tables, linked lists, and trees. Can reason about algorithm complexity. Applies relevant data structures in day to day activity. Can implement a production quality software - it might be not the most efficient or secure, but correct.	configure TLS on a standalone web server	Understands and reasons about browser networking concepts. Understands common networking issues and can troubleshoot issues using the developer console.	and DOM. Can fix bugs or add small fea-	Understands and can use build tools (like npm and yarn), Docker, and Makefiles.
2	Can write high quality user and product focused documentation.	Normally receives little instruction on day-to-day work, general instructions on new assignments.			Understands how to utilize browser security features (like headers and cookie attributes) to secure web applications.	Has more granular understanding of the networking design, for example can reason about using gRPC vs HTTP/JSON and websockets and their networking and scalability trade-offs.	Can write frontend applications.	Understands and can use transpilers (TypeScript to Javascript) and SPA frameworks (React, Angular). Can leverage components and styles from third-party libraries to implement designs.
3	Collaborates with the team to scope requirements, based on good understanding of existing longer term product vision and estimates of the system design of a feature of a product.	Work is done independently and is reviewed at critical points.	cal skills, answering questions and being a		Can use frameworks to mitigate common attack vectors for server side (like secure password storage) or client side web applications (like XSS, CSRF, and SSRF) security vulnerabilities.	Understands scalability and resilience aspects of practical implementation of systems leveraging networking. Understands certificate-based mutual authentication network protocols like mTLS and SSH. Frontend designs are informed by scalable backends, networking techniques such as pagination, connection pooling, backpressure and other aspects of the application design.	frontend and backend components. Understands web application session and state management techniques.	Script. Can build and style components
4	Leads the implementation of the iso- lated feature/improvement that measur- ably and significantly impacts business outcomes from gathering requirements to getting to the market stage.	Work is reviewed upon completion and is consistent with departmental objectives.	Writes technical articles/blog posts, delivers tech and lightning talks representing the company's technical vision.	rendering and painting.	Understands and can implement mitigations for common attack vectors for server side (like secure password storage) or client side web applications (like XSS, CSRF, and SSRF) security vulnerabilities from scratch. Can build secure systems that will pass quality security audit that will uncover few to no critical system design errors.			Expert level understanding of Type-Script. Could add typings to a untyped package. Understands when it is appropriate to leverage advanced TypeScript features.
5	uct line, like native applications, or significant part of the product to deliver it to	Focuses on providing thought leadership and works on broader organization projects, which requires understanding of wider business. Recognized internally as a subject matter expert. May direct the activities of others.	posts, gaining significant industry trac- tion or delivers technical talks on major conferences representing the company's	frameworks like React, Angular, or Vue. Can use this understanding to reason	security model and the web. Understands how browsers make network requests (and which requests they will refuse to make)		Applies system level design to deliver new products or significant new components of an existing product to the market.	
6		Exercises wide latitude in determining objectives and approaches to critical assignments.		Designs new data structures and algorithms solving relevant business problems and creating competitive advantage for the company.				