

704-1415-001

	CURRENT
X	PROPOSED

1. DIVISION		2. REGION OR BRANCH		
Information Systems Division	l	Infrastructure Branch		
3. REPORTING UNIT NAME		4. POSITION CITY		
Network Operations Section -Inf	frastructure Matrix Team	Sacramento		
5. CLASSIFICATION TITLE		6. WORKING TITLE		
IT Specialist III		Cloud Architect		
7. POSITION NUMBER		8. PREVIOUS POSITION NUMBER		
704-1415-001		711-1401-004		
9. CBID/BARGAINING UNIT	10. WORK WEEK GROUP	11. TENURE	12. TIME BASE	
MO1	E	Permanent	Full-Time	
13. CONFLICT OF INTEREST CLASSIF	FICATION (GOV. CODE 87300, ET	SEQ.)? 🛛 Yes 🔲 No		
This position is designated under	the Conflict of Interest Code. Th	nis position is responsible for making	or participating in the making of	
governmental decisions that may	, potentially have a material e	ffect on personal financial interests.	. The appointee is required to	
complete Form 700 within 30 day appointment.	ys of appointment. Failure to co	omply with the Conflict of Interest Co	ode requirements may void the	
14. CPC ANALYST APPROVAL J. (Grebel	15. DATE APPROVED 9/23/2021		

Effective on the date indicated, the following duties and responsibilities were assigned to the position identified above.

16. DIRECTION STATEMENT AND GENERAL DESCRIPTION OF DUTIES

Under the general direction of the Information Technology (IT) Manager II, the Cloud Architect provides expertise to define cloud logistics specifications to design, implement, and maintain DMV IT systems and services. The Cloud Architect is responsible for designing DMV cloud policy, strategy, vision and structure for new technology systems, overseeing the implementation of cloud management programs, and liaising with the development team. The Cloud Architect collaborates with different entities in designing solutions to address evolving business needs and legislative bills that impact DMV modernization products and services, ensuring alignment with the overall enterprise strategic plan, objectives and target architecture.

The IT Specialist III performs System & Software Engineering duties related to the Software Architecture, Software Development, Software Integration, Solution Design, System Architecture, and Virtualization.

17. ESSENTIAL/MARGINAL FUNCTIONS

Relative % of time required (in descending order)

45%

Cloud Architecture (E)

Identifies, develops and creates the top cloud architecture solutions to successfully meet the strategic needs of the department to bridge strategic intent and practical application across multiple domains. Provides mastery-level expertise in the delivery of enterprise guidance and requirements of cloud computing and technology systems to design and transfer applications to the cloud in addition to and enterprise guidance in infrastructure movement techniques including bulk application transfers into cloud environments. Serves as the technical expert for the design, development, implementation and management of cloud functions, including definition and development of cloud reference architecture and management systems. Performs risk assessment by evaluating and determining the risk associated with third-party platforms or frameworks. Creates and implements a sustainable and wellinformed cloud strategy and manages the adaptation process. Oversees and reviews all aspects in the development, operability and organization of cloud systems. Recommends, establishes and maintains governing methods in which cloud technology, environments and tools will provide the highest value to the enterprise. Defines enterprise cloud strategy, structure, monitoring, performance, capacity, and planning for modernization requirements to develop and implement strategic goals. Consults with and assists the cloud administrators and cloud third-party providers in the planning and implementation of the retirement and decommissioning of obsolete technology infrastructure. Leads, coordinates and participates in cloud technology planning, management, development and implementation activities across all technology domains to support the successful operation of technology solutions. Plans and designs cloud infrastructure solutions, communicates cloud management requirements to cloud support and development teams, evaluates and selects appropriate cloud technology, tools and metrics; oversee enterprise cloud management and provides

DEPARTMENT OF MOTOR VEHICLES POSITION DUTY STATEMENT

guidance to team members.

30% Technology Modernization (E)

Architects, designs, implements, and maintains system architecture across multiple platforms to best align technology solutions with business strategies. Analyzes and recommends new and emerging IT technologies with a focus on cloud architecture to meet enterprise objectives to align with strategic organizational goals. Assesses proposed projects' architecture feasibility, as well as implementation benefits and risks to target architecture maturity. Facilitates the alignment and adoption of service standards, service-oriented architecture, security and service delivery for the enterprise and ensure architecture, data integration, security and policy capabilities in order comply with federal/state policy, architecture requirements, security requirements, and data exchange standards. Recommends new technology, proposed future technology, trends, technical components, interfaces, protocols, and architectures to ISD management. Advises on the formulation of IT strategy, policy, and governance in support of enterprise architectural objectives and technology modernization. Evaluates current IT assets and emerging technology trends to forecast and recommend future technology acquisitions.

10% Knowledge Management and Skill Development (E)

Collaborates with other departmental experts and team members to develop and implement key strategic IT initiatives including innovation and optimization opportunities. Researches and determines enterprise system design changes and change requirements needed to drive targeted business outcomes by understanding business drivers and business capabilities (Current State and Future State). Maintains awareness and expertise of current and emerging IT trends and technologies keeping abreast of industry standards, applying new and emerging processes and procedures with an emphasis on cloud architecture.

10% Project and Relationship Management (E)

Monitors related project management activities for coordination between departmental modernization projects and operational activities. Liaises with internal and external stake holders to manage relationships and coordinate project initiatives. Maintains effective communications with multiple management levels within the division, department, contractor representatives, State control agency administrators and State, Federal and local government entities. Interprets and articulates complex technology concepts and problems to departmental executive leadership and oversight agencies in layman's terms.

Other Duties as Required (M)

5%

Performs other duties as required.



704-1415-001

18. SUPERVISION RECEIVED

The ITS III reports directly to and operates under the general	direction of the Network	Operations Section	Manager
(ITM II).			

19. SUPERVISION EXERCISED AND STAFF NUMBERS

The ITS III is the technical expert over a multi-functional, highly complex project. The ITS III does not supervise but may act as a lead to others and will be regarded as the Architecture Subject Matter Expert.

20. WORKING CONDITIONS AND PHYSICAL REQUIREMENTS

Works indoors in an office setting in a cubicle. Will access a computer, sit for periods of time, and attend meetings in locations throughout the division, the building, and occasionally at other locations outside of DMV.

21. SPECIAL REQUIREMENTS AND DESIRABLE QUALIFICATIONS

DMV operates 24/7. Incumbent may be required to carry a cell phone, work occasional evenings and/or weekends, or attend out-of-town classes or conferences.

22. PERSONAL CONTACTS

The ITS III communicates with DMV's Executive Office, Department of Finance, California Department of Technology, and the California State Transportation Agency on project status. The ITS III maintains relationships and communicates with management, business and technical teams, vendors, internal and external stakeholders.

Communications are by phone, email, in person, and mail. Interactions may be general, confidential, sensitive or informative.